

Reference Tables July 1967

Canadian Pulp and Paper Association

'57 '58 '59 '60 '61 '62 '63 '64 '65 '66

HD9834
C22C33
1967



MANAGEMENT LIBRARY



**McGILL
UNIVERSITY
LIBRARY**

Introduction

These Reference Tables present each year a statistical review of the Canadian pulp and paper industry, its growth and development, its place in the Canadian economy, and its position in the great world industry of which it forms so significant a part.

The tables indicate that pulp and paper continues to be Canada's leading manufacturing industry. They show, too, that the constant expansion of its production and exports, in response to the rapid growth of world demand, has been and remains a factor of fundamental importance to the continuing growth and prosperity of the Canadian economy.

For the preparation of these tables, grateful acknowledgement is made to L. J. Pouliot, formerly chief of the Forestry Section of the Dominion Bureau of Statistics.

Montreal, July, 1967.

COVER: *The cover chart records the growth in total shipments of the Canadian pulp and paper industry, from 10.8 million tons in 1957 to 16.5 million tons in 1966.*

MANAGEMENT LIBRARY
McGILL UNIVERSITY

INDEX

"A" The Industry in 1966

Table

1. Production
2. National significance
3. Shipments by products
4. Shipments by areas
5. Production by provinces
6. Production ratios

Table

7. Wages paid and numbers employed
8. Mill locations
9. Pulpwood consumption by provinces
10. Pulpwood consumption by species
11. Pulp and paper exports

"B" Forests and Pulpwood

12. Forest extent
13. Forest holdings
14. Forest volume
15. Depletion and growth
16. Forest Depletion

17. Wood measurement
18. Pulpwood consumption
19. Pulpwood production
20. Pulpwood exports
21. Pulpwood imports

"C" Pulp

22. Wood pulp production
23. Wood pulp annual capacity
24. Wood pulp exports, by grades
25. Wood pulp exports, by areas
26. Canadian pulp in U.S. market
27. Average values, U.S. pulp imports from Canada
28. Wood pulp imports
29. Sulphite pulp
30. Sulphate pulp
31. Dissolving and special alpha pulps

32. Mechanical pulp
33. Defibrated and exploded pulps
34. Other wood pulps
35. Screenings
36. Sulphite pulp (1920-1956)
37. Sulphate pulp (1920-1956)
38. Consumption of wood pulp in paper, paper-board, and other board production, by sources
39. Consumption of wood pulp in paper, paper-board, and other board production, by kinds

"D" Newsprint

40. Newsprint capacity, production and shipments
41. Daily capacity and production
42. Overseas shipments
43. Value of newsprint production and exports
44. Newsprint and total Canadian exports to U.S.
45. Value of Canadian newsprint and total pulp and paper production

46. U.S. prices and price indexes
47. U.S. newsprint production
48. U.S. newsprint consumption and stocks
49. Sources of U.S. newsprint supply
50. Consumption by larger newspapers

"E" Other Paper and Paperboard

51. Paperboard production
52. Production of other papers and boards
53. Production, 1920-43
54. Exports
55. Exports, 1951-59
56. Exports by areas

57. Exports of paper products
58. Exports of paper products, 1951-60
59. Imports of paper and paper board
60. Imports of paper and paper goods
61. Other paper and paperboard annual capacity

"F" National Significance

62. Production and national income
63. Exports and Canadian trade
64. Capital expenditures
65. Growth of industry
66. Principal Canadian exports
67. Exports of Canadian products to U.S.
68. Per capita consumption of paper and paper-board
69. Principal statistics by provinces
70. Ten leading Canadian industries

71. Growth rates of various industries
72. Employees and wages
73. Capital, employees, and wages
74. Payrolls and weekly earnings
75. Principal expenditures
76. Power utilization
77. Car loadings
78. Operations and mills
79. Principal statistics, paper converting industries
80. Summary of shipments

"G" World Figures

81. World production of wood pulp, by countries
82. World consumption of wood pulp, by countries
83. World production of wood pulp, by grades
84. World exports of wood pulp, by countries

85. World forest resources
86. World production of newsprint, by countries
87. World consumption of newsprint, by countries
88. World exports of newsprint, by countries

"A"—THE INDUSTRY IN 1966

Table 1. Production

	1966p Tons	1965 Tons
WOOD PULP:		
Dissolving and Special Alpha	427,628	474,740
Sulphite — Paper Grades	3,070,771	2,924,345
Bleached	923,413	900,049
Unbleached	2,147,358	2,024,296
Sulphate — Paper Grades	4,627,270	3,786,689
Bleached	2,466,252	1,934,872
Semi-bleached	732,029	624,234
Unbleached	1,428,989	1,227,583
Mechanical	7,381,064	6,801,705
Defibrated and Exploded	192,408	186,967
Other wood pulp	215,330	313,087
Screenings	89,667	85,419
Chemical	46,115	43,930
Mechanical	43,552	41,489
	16,004,138	14,572,952
PAPER AND PAPERBOARD:		
Newsprint (a)	8,535,841	7,827,039
Wrapping	423,564	365,518
Book and Writing	586,725	534,141
Tissue and Sanitary	201,946	193,194
Building Papers	92,536	87,933
Special Industrial Papers & Wet Machine Boards	19,675	19,670
Paperboard	1,673,515	1,539,435
Container Board	958,492	845,351
Boxboard	715,023	694,084
	11,533,802	10,566,930
Building Boards	301,125	296,602

(a) Dominion Bureau of Statistics classification includes some grades not classed as newsprint by the Newsprint Association of Canada.

p: Preliminary.

Source: 1965: Dominion Bureau of Statistics; 1966: Canadian Pulp and Paper Association estimates.

Table 2. National Significance

		1966	1965
Gross Production of Pulp and Paper Mills (a)	\$'000	2,306,000e	2,104,425
Gross National Product	\$'000	57,781,000p	51,996,000
Capital Expenditures of Pulp and Paper Mills	\$'000	514,000	383,800
Pulp and Paper Exports	\$'000	1,588,106	1,442,097
Total Domestic Exports	\$'000	10,070,766	8,525,078
Ratio of Pulp and Paper Exports to Total Domestic Exports	%	15.77	16.92
Pulp and Paper Exports to United States	\$'000	1,281,149	1,162,368
Total Domestic Exports to United States	\$'000	6,027,722	4,840,456
Ratio of Pulp and Paper Exports to United States to Total Domestic Exports to United States	%	21.25	24.01

a: Value of shipments of goods of own manufacture.

e: Canadian Pulp and Paper Association estimate.

p: Preliminary.

Source: Dominion Bureau of Statistics.

Table 3. Shipments by Products

	1966		1965	
	Tons	%	Tons	%
Wood pulp:				
Chemical	4,641,950	28.07	4,295,526	28.14
Mechanical and other grades	331,747	2.01	354,515	2.32
Total Wood Pulp(a)	4,973,697	30.08	4,650,041	30.46
Newsprint(b)	8,486,278	51.32	7,841,108	51.36
Paperboard	1,535,953	9.29	1,408,810	9.23
Building boards	274,773	1.66	290,367	1.90
Book and writing papers	671,315	4.06	535,085	3.50
Wrapping papers	403,840	2.45	360,220	2.36
Tissue and sanitary papers	96,170	0.58	91,511	0.60
Building papers	74,460	0.45	71,058	0.47
Special industrial papers and wet machine boards	18,783	0.11	18,780	0.12
Total Paper and Board	11,561,572	69.92	10,616,939	69.54
Total Shipments of Pulp and Paper(c)	16,535,269	100.00	15,266,980	100.00

a: Including shipments to subsidiary and affiliated companies.

b: Dominion Bureau of Statistics classification includes some grades not classed as newsprint by the Newsprint Association of Canada.

c: As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.

Sources: 1965: Dominion Bureau of Statistics; 1966: Canadian Pulp and Paper Association estimates.

Table 4. Shipments by Areas

	1966		1965	
	Tons	%	Tons	%
Total shipments of pulp, paper and paperboard(a)	16,535,269e	100.00	15,266,980	100.00
Used in Canada.	3,912,720e	23.66	3,660,485	23.98
Exported(b)	12,622,549	76.34	11,606,495	76.02
To:				
United States	9,941,955	60.13	9,192,308	60.21
United Kingdom	951,059	5.75	912,316	5.98
Western Europe	513,503	3.10	397,685	2.60
South America	311,306	1.88	263,979	1.73
Japan	280,805	1.70	217,917	1.43
Australia and New Zealand	195,174	1.18	218,785	1.43
Central America and Antilles	182,157	1.10	168,030	1.10
All Others	246,590	1.50	235,475	1.54

a: As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.

b: Excluding paper products for which tonnage not available, valued at \$3,037,000 in 1966 and \$4,942,000 in 1965.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 5. Production by Provinces

	Wood Pulp		Basic Paper and Board (a)	
	1966 Tons	1965 Tons	1966 Tons	1965 Tons
Quebec	5,975,305	5,449,789	5,078,664	4,656,576
Ontario	3,589,148	3,356,753	3,074,625	2,819,106
British Columbia	3,809,465	3,274,908	1,679,059	1,539,481
Other Provinces	2,630,220	2,491,502	1,701,454	1,551,767
Canada	16,004,138	14,572,952	11,533,802	10,566,930

(a) Excluding building board.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 7. Estimated Wages Paid and Numbers Employed

Wages	1966	1965
	\$	\$
Mill Workers	\$487,342,000e	\$423,732,000†
Woods Workers*	430,419,000	375,000,000
	\$917,761,000	\$798,732,000
Workers		
Seasonal woods workers on manufacturers' limits east of the Rockies	95,000	101,000
Permanent woods workers on manufacturers limits east of the Rockies	4,600	4,200
Woods workers in B.C., mostly permanent	12,000	9,800
Woods workers cutting wood for sale to manufacturers	93,000	97,000
	204,600	212,000
Mill Workers, permanent	73,678e	69,897†
	278,278	281,897

*Includes an estimated \$80,000,000 in 1966, and \$82,000,000 in 1965, to the woods workers cutting pulpwood for sale to the mills. Includes also those working for contractors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required for their own limits.

e: Dominion Bureau of Statistics, Employment Section.

†Dominion Bureau of Statistics, Industry Division.

Source: Woodlands Section, Canadian Pulp and Paper Association estimate.

Table 9. Pulpwood Consumption, by Provinces

	Roundwood Cords	Wood Residue Cords (a)
	1966	1965
Atlantic Provinces	3,105,305	331,909
Quebec	6,890,280	690,955
Ontario	4,280,608	464,980
Prairie Provinces	551,821	4,822
British Columbia	2,919,974	3,637,299
Canada	17,747,988	5,129,965
1965		
Atlantic Provinces	2,825,093	332,395
Quebec	6,356,408	681,179
Ontario	3,972,519	366,309
Prairie Provinces	553,052	314
British Columbia	2,780,011	2,921,816
Canada	16,487,083	4,302,013

a: Rough cord equivalents.

Sources: 1965: Dominion Bureau of Statistics; 1966: Canadian Pulp and Paper Association estimates from DBS preliminary data.

Table 6. Production Ratios

	1966 %	1965 %
Newsprint	95	92
Chemical pulps	93	95
Paperboard	91	97
Other papers	86	95

Note: These ratios represent actual production as a percentage of productive capacity, as estimated by the Canadian Pulp and Paper Association and the Newsprint Association of Canada.

Table 8. Mill Locations

	1966p	Pulp Mills	Pulp & Paper Mills	Paper Mills	Total
Newfoundland	—	2	—	—	2
Nova Scotia	2	2	—	—	4
New Brunswick	5	4	1	—	10
Quebec	9	35	12	—	56
Ontario	4	21	13	—	38
Manitoba	—	3	—	—	3
Saskatchewan	—	1	—	—	1
Alberta	1	2	—	—	3
British Columbia	9	8	2	—	19
Canada	30	78	28	—	136
1965					
Newfoundland	—	2	—	—	2
Nova Scotia	2	2	—	—	4
New Brunswick	5	4	1	—	10
Quebec	9	35	13	—	57
Ontario	4	20	13	—	37
Manitoba	—	3	—	—	3
Saskatchewan	—	1	—	—	1
Alberta	1	2	—	—	3
British Columbia	8	5	2	—	15
Canada	29	74	29	—	132

p: preliminary.

Source: Dominion Bureau of Statistics.

Table 10. Pulpwood Consumption, by Species

	1966p Cords	%	1965 Cords	%
Roundwood:				
Spruce and Balsam	13,154,653	57.5	12,162,388	58.5
Hemlock	1,628,356	7.1	1,549,318	7.4
Jack Pine	1,353,585	5.9	1,270,160	6.1
Other softwoods	429,818	1.9	408,645	2.0
Poplar, Aspen and Cottonwood	481,791	2.1	449,748	2.2
Other hardwoods	699,785	3.1	646,824	3.1
	17,747,988	77.6	16,487,083	79.3
Wood Residue (a)	5,129,965	22.4	4,302,013	20.7
Total	22,877,953	100.0	20,789,096	100.0

a: Rough cord equivalents.

p: Preliminary.

Sources: 1965: Dominion Bureau of Statistics; 1966: Canadian Pulp and Paper Association estimates from DBS preliminary data.

Table 11.

Pulp, Paper, Paper Products, and Pulpwood Exports 1966

PULP —	Total Exports		To U.S.A.		To United Kingdom		To Other Countries	
	Tons	Value \$'000	Tons	Value \$'000	Tons	Value \$'000	Tons	Value \$'000
Dissolving and Special Alpha (Sulphite and Sulphate)	364,451	65,034	283,214	51,280	13,831	2,365	67,406	11,389
Sulphate — Paper Grades	2,614,701	333,243	1,906,112	249,713	116,718	14,359	591,871	69,171
Bleached	1,986,728	266,352	1,529,426	209,573	81,772	10,522	375,530	46,257
Semi-bleached	233,616	27,420	100,812	12,462	19,010	2,202	113,794	12,756
Unbleached	394,357	39,471	275,873	27,678	15,935	1,635	102,549	10,158
Sulphite — Paper Grades	851,735	103,963	625,967	78,648	118,454	14,033	107,314	11,282
Bleached	605,290	78,989	511,394	67,143	52,767	6,782	41,129	5,064
Unbleached — Strong	209,106	20,933	113,969	11,442	32,630	3,631	62,507	5,860
Unbleached — News Grade	37,338	4,041	604	63	33,057	3,620	3,077	358
Total Chemical	3,830,887	\$502,240	2,815,293	\$379,641	249,003	\$30,757	766,591	\$91,842
Mechanical	253,867	17,260	151,030	10,552	74,763	4,831	28,074	1,877
Bleached	5,608	453	5,608	453	—	—	—	—
Unbleached	248,259	16,807	145,422	10,099	74,763	4,831	28,074	1,877
Other Pulp	36	4	36	4	—	—	—	—
Screenings	11,487	563	11,487	563	—	—	—	—
Chemical	990	49	990	49	—	—	—	—
Mechanical	10,497	514	10,497	514	—	—	—	—
Total Miscellaneous	265,390	\$17,827	162,553	\$11,119	74,763	\$4,831	28,074	\$1,877
TOTAL PULP	4,096,277	\$520,067	2,977,846	\$390,760	323,766	\$35,588	794,665	\$93,719
NEWSPRINT PAPER —								
Standard	7,821,148	968,224	6,652,270	823,664	384,034	48,883	784,844	95,677
Mutilated	58,897	3,875	34,313	2,269	933	54	23,651	1,552
TOTAL NEWSPRINT	7,880,045	\$972,099	6,686,583	\$825,933	384,967	\$48,937	808,495	\$97,229
OTHER PAPER —								
Wrapping Paper	46,510	8,182	16,747	3,762	26,130	3,779	3,633	641
Bleached Sulphite and Sulphate	15,419	3,646	13,727	3,185	1,349	364	343	97
Unbleached Sulphite and Sulphate	26,824	3,792	2,635	426	21,416	2,908	2,773	458
Wrapping — n.o.p.	4,268	744	384	151	3,366	507	518	86
Book and Writing Paper	171,418	32,932	117,896	19,968	26,627	5,912	26,895	7,052
Groundwood Printing — n.o.p.	129,694	21,738	108,990	17,564	12,905	2,416	7,799	1,758
Book — n.o.p.	11,297	2,509	6,171	1,254	4,497	1,083	629	172
Writing and Reproduction	28,313	8,115	2,735	1,147	8,431	2,202	17,147	4,766
Fine Paper — n.o.p.	2,114	570	*	3	793	211	1,321	356
Paperboard	257,546	30,875	8,585	1,476	178,066	21,051	70,895	8,348
Liner Board	182,468	22,033	455	48	132,203	15,840	49,810	6,145
Container Board — n.o.p.	57,715	5,369	685	57	37,659	3,687	19,371	1,625
Solid Bleached and Folding Box-board	7,114	1,327	12	3	7,097	1,322	5	2
Set-up Boxboard — n.o.p.	4,354	683	4,076	638	71	9	207	36
Wet Machine Board	3,314	1,143	1,979	598	55	48	1,280	497
Paperboard — n.o.p.	2,581	320	1,378	132	981	145	222	43
Building Board	39,059	4,436	32,977	3,496	2,249	442	3,833	498
Rigid Insulating Board	12,546	1,517	9,923	1,097	798	167	1,825	253
Hardboard	24,943	2,690	21,951	2,261	1,381	266	1,611	163
Building Board — n.o.p.	1,571	229	1,103	138	70	9	398	82
Building Paper	19,040	1,686	8,173	903	907	67	9,960	716
Tissue Paper, except Sanitary	106	27	3	4	—	—	103	23
Sanitary Paper	13,962	3,166	2,285	468	5,942	1,404	5,735	1,294
Hanging Paper	26	4	26	4	—	—	—	—
Special Industrial Paper	771	185	49	13	554	115	168	57
Coated Paper, except Machine Coated	1,869	781	644	288	532	182	693	311
Waste Paper — n.o.p.	88,603	4,614	87,849	4,559	—	—	754	55
TOTAL OTHER PAPER	638,910	\$86,888	275,234	\$34,941	241,007	\$32,952	122,669	\$18,995
PAPER PRODUCTS — (a)								
Paper Bags and Multiwall Sacks	—	671	—	63	—	1	—	607
Paper Containers and Parts — n.o.p.	—	1,191	—	543	—	18	—	630
Wall Paper — Printed	2,348	2,330	1,332	1,438	25	21	991	871
Packaged Toilet Paper	2,163	680	72	35	385	143	1,706	502
Notebooks, Scribbles and Pads	—	188	—	6	—	—	—	182
Stationery, Paper Office Supplies, n.e.s.	—	808	—	279	—	66	—	463
Converted Paper — n.o.p.	2,806	3,005	888	546	909	1,200	1,009	1,259
Paper End Products — n.o.p.	—	179	—	138	—	9	—	32
TOTAL, PAPER PRODUCTS	7,317	\$9,052	2,292	\$3,048	1,319	\$1,458	3,706	\$4,546
TOTAL PULP, PAPER AND PAPER PRODUCTS	12,622,549	\$1,588,106	9,941,955	\$1,254,682	951,059	\$118,935	1,729,535	\$214,489
PULPWOODS —								
Pulpwood (b)	1,286,501	\$32,588	859,831	\$18,712	67,375	\$2,377	359,295	\$11,499
Chips	979,831	\$8,386	924,921	\$7,755	54,840	\$631	—	—
GRAND TOTAL	—	\$1,629,080	—	\$1,281,149	—	\$121,943	—	\$225,988

NOTE: Because quantities reported in hundredweights have been converted into tons and values reported in dollars have been rounded into thousands of dollars, breakdowns by grades or countries do not always cross-add.

(a) Weight of most paper products is unavailable.

(b) Peeled and unpeeled cords.

n.o.p.: Not otherwise provided for.

n.e.s.: Not elsewhere specified.

*: Less than one ton.

Source: Dominion Bureau of Statistics.

"B"—FORESTS AND PULPWOOD

Table 12. Forest Extent

	Square Miles
Total Land Area of Canada (excluding rivers and lakes)	3,560,238
NET AREA (excluding rivers and lakes)	
Forested Areas of Canada	1,710,788
All of which, save for 275,800 square miles, lies within the ten provinces.	
Forested Areas Classed as Unproductive	742,842
Small trees in adverse locations not expected to reach merchantable size.	
Productive Forest Areas	967,946
About half of the accessible productive forest area bears trees classified as merchantable (4 inches DBH and over); the remainder is young growth.	

Source: Economics Research Institute, Department of Forestry.

Table 14. Forest Volume

Estimated stands in 000,000's of cubic feet of merchantable timber			
	Conifers	Broad-leaved	Total
Newfoundland	13,719	577	14,296
Prince Edward Island	175	75	250
Nova Scotia	6,469	3,313	9,782
New Brunswick	11,948	4,923	16,871
Quebec	84,371	23,761	108,132
Ontario	66,654	44,915	111,569
Manitoba	9,725	3,121	12,846
Saskatchewan	12,681	10,391	23,072
Alberta	30,897	24,063	54,960
British Columbia	357,132	19,787	376,919
Yukon Territory	7,386	1,770	9,156
Northwest Territories	10,120	3,909	14,029
Canada	611,277	140,605	751,882

Source: Economics Research Institute, Department of Forestry.

Table 16. Forest Depletion

UTILIZATION	millions of cubic feet			
	Annual Average 1952-61		1962	
Industrial:				
Logs and bolts		%		%
Domestic Use	1,568	48.8	1,883	54.9
Export	8	.3	12	.3
Pulpwood				
Domestic use	1,144	35.6	1,139	33.2
Export	140	4.4	104	3.0
Poles and piling	22	.7	26	.8
Round mining timber	19	.6	5	.1
Other primary products	19	.6	34	1.0
	2,920	91.0	3,203	93.3
Fuelwood	290	9.0	229	6.7
Total utilization	3,210	100.0	3,432	100.0
Forest Fire Losses	535		126	
Total depletion (a)	3,745		3,557	

a: Does not include losses caused by insects, disease or natural mortality, for which no reliable estimates are available. Losses from insects and disease alone are estimated to be in excess of one billion cubic feet of merchantable timber annually.

Source: Economics Research Institute, Department of Forestry.

Table 13. Forest Holdings

NET AREA (excluding rivers and lakes)				
	Total Sq. Miles	%	Productive Sq. Miles	%
Occupied Forest Lands:				
Provincial Crown:				
Leases and licenses	285,812	16.7	214,031	22.1
Permits and sales	4,063	.2	3,963	.4
Other lands	17	*	16	*
	289,892	16.9	218,010	22.5
Federal Crown:				
Leases and licenses	365	*	320	*
Other lands	7,752	.4	3,938	.4
	8,117	.5	4,258	.4
Privately owned:				
Farm woodlots	26,868	1.6	25,274	2.6
Other private lands	69,070	4.0	64,339	6.7
	95,938	5.6	89,613	9.3
Total Occupied Forest Lands	393,947	23.0	311,881	32.2
Unoccupied Forest Lands:				
Provincial Crown	1,021,470	60.0	571,653	59.1
Federal Crown	295,371	17.0	84,412	8.7
Total Unoccupied Forest Lands	1,316,841	77.0	656,065	67.8
Total Forest Lands	1,710,788	100.0	967,946	100.0

*Less than 0.05%.

Source: Economics Research Institute, Department of Forestry.

Table 15. Depletion and Growth

Pulp and Paper Woodlands

The pulp and paper mills lease some 190,000 square miles of forest, from which they obtain each year approximately two-thirds of their total requirements.

Scientific measurements all reveal that the overall growth in these leased forests exceeds the cut plus all other losses. This excess of growth serves to increase the standing volume of pulpwood which, in most instances, will render the acreage more productive and so permit larger annual harvests to meet the growing needs of the future.

The National Forests

The inventory of productive forests which cover a quarter of Canada's land area, is nearing completion. Simultaneously, a large quantity of new information relating to growth rates in the productive forests is being assembled. Preliminary estimates indicate that annual growth rates over a considerable portion of the productive forests range as high as 25 to 40 cubic feet per acre. On the other hand, the last available estimates of annual depletion on accessible productive forests averaged about 8 cubic feet per acre, including cutting and losses from fire.

Table 17. Wood Measurement

A number of different measures for wood are used in Canada, and they can be related as follows:

A standard **cord** is a stack of wood 4 x 4 x 8 feet, containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

A **cunit** equals 100 cubic feet of solid wood, excluding the bark.

A **unit** is a measure of wood chips. It usually contains between 70 and 75 cubic feet of solid wood.

In the lumber industry, wood usually is measured by the **board foot**. A board foot is equivalent to a board 1 inch thick and one square foot in surface area. The relationship between board measure and cord measure varies in different parts of Canada. Usually, two cords are considered to be equivalent to about 1,000 feet board measure. But this rate also varies with the size and type of wood.

Table 18. Pulpwood Consumption by Pulp and Paper Mills

	Roundwood (a)		Wood Residue (b)		Total	
	Cords	Value (c) \$'000	Cords	Value (c) \$'000	Cords	Value \$'000
1920	2,777,422	45,405	—	—	2,777,422	45,405
1925	3,668,959	48,013	—	—	3,668,959	48,013
1930	4,741,349	54,789	—	—	4,741,349	54,789
1935	5,005,083	34,265	—	—	5,005,083	34,265
1940	7,107,791	62,193	7,433e	91	7,115,224	62,284
1941	7,739,289	72,018	39,920e	375	7,779,209	72,393
1942	7,857,373	83,037	41,754e	480	7,899,127	83,517
1943	7,420,639	91,922	45,585e	629	7,466,224	92,551
1944	7,323,226	103,899	52,618e	868	7,375,844	104,767
1945	7,642,652	121,769	46,034e	885	7,688,686	122,654
1946	8,968,892	155,160	95,171	1,707	9,064,153	156,867
1947	9,751,586	203,739	117,041	2,528	9,868,627	206,267
1948	10,470,687	242,338	163,819	2,938	10,634,506	245,276
1949	10,470,481	240,379	154,580	2,157	10,625,061	242,536
1950	11,434,426	252,664	217,438	2,842	11,651,864	255,506
1951	12,634,426	316,600	324,693	8,522	12,959,119	325,122
1952	11,991,074	334,677	317,556	8,243	12,308,630	342,920
1953	12,109,658	329,087	440,040	9,476	12,549,698	338,563
1954	12,981,008	332,854	669,410	11,775	13,650,418	344,629
1955	13,629,413	340,077	802,621	15,541	14,432,034	355,618
1956	14,031,855	369,263	936,370	18,883	14,968,225	388,146
1957	13,367,088	361,152	1,091,805	20,828	14,458,893	381,980
1958	12,624,165	338,226	1,243,108	22,301	13,867,273	360,527
1959	13,535,051	349,827	1,455,651	25,185	14,990,702	375,012
1960	14,115,996	361,859	1,786,257	31,092	15,902,253	392,950
1961	14,437,456	365,330	2,102,563	36,182	16,540,019	401,512
1962	14,911,436	368,960	2,428,737	43,797	17,340,173	412,757
1963	14,972,116	371,120	2,951,206	53,288	17,923,322	424,408
1964	16,146,802	402,270	3,499,831	68,710	19,646,633	470,980
1965	16,487,083	415,351	4,302,013	92,582	20,789,096	507,933
1966	17,747,988p	n.a.	5,129,965e	n.a.	22,877,953	n.a.

a: Whole logs and bolts. Figures for 1920-35 include small quantities of wood residue.
b: Sawmill chips, slabs, edgings, reject lumber, veneer cores and other residue.
c: Sum of values reported by pulp mills for roundwood or wood residue used (delivered price).
p: Preliminary.
e: Canadian Pulp and Paper Association estimate.
Source: Dominion Bureau of Statistics.

Table 19. Pulpwood Production

	Roundwood (a) Cords
1920	4,024,826
1925	5,092,461
1930	5,977,183
1935	6,095,016
1940	8,716,541
1941	8,396,953
1942	8,723,259
1943	8,987,188
1944	9,643,318
1945	10,973,094
1946	12,384,844
1947	13,657,129
1948	13,814,988
1949	10,308,776
1950	13,424,353
1951	18,156,282
1952	14,755,082
1953	13,545,176
1954	14,739,565
1955	16,087,953
1956	17,469,334
1957	14,967,604
1958	12,764,459
1959	14,357,039
1960	16,612,238
1961	15,474,266
1962	14,615,205
1963	15,511,520
1964	16,072,595p
1965	16,074,004p
1966	17,545,247p

a: Whole logs and bolts. 1920-35, quantity and value estimated on the basis of consumption, plus exports, minus imports. Since 1940, quantity calculated from annual wood cut data for Provincial and Federal Crown Lands, D.B.S. surveys for wood cut on private lands and decennial census data on production of forest products on farm woodlots. No data available on production of wood-residue which is also used for purposes other than making pulp.

p: Preliminary.
Source: Dominion Bureau of Statistics.

Table 20. Pulpwood Exports

	Roundwood (a)		Wood Residue (b)		Total	
	Cords	Value (c) \$'000	Cords	Value (c) \$'000	Cords	Value \$'000
1920	1,247,404	15,778	—	—	1,247,404	15,778
1925	1,423,502	14,169	—	—	1,423,502	14,169
1930	1,330,466	13,612	—	—	1,330,466	13,612
1935	1,109,873	7,041	—	—	1,109,873	7,041
1940	1,551,600	12,522	—	—	1,551,600	12,522
1945	1,684,421	23,882	—	—	1,684,421	23,882
1950	1,782,134	33,590	89,180	1,178	1,871,314	34,768
1951	2,893,615	66,077	139,297	2,026	3,032,912	68,103
1952	2,529,353	61,837	166,732	2,983	2,696,085	64,820
1953	1,783,657	42,704	196,723	3,155	1,980,380	45,859
1954	1,826,193	41,900	249,289	3,865	2,075,482	45,766
1955	1,882,784	43,274	344,422	5,381	2,227,206	48,655
1956	1,953,470	44,206	350,279	5,588	2,303,749	49,794
1957	1,800,411	42,332	369,572	6,127	2,169,983	48,459
1958	1,286,479	29,944	281,611	4,711	1,568,090	34,655
1959	1,107,484	25,706	246,939	4,032	1,354,423	29,737
1960	1,151,899	25,840	330,492	5,347	1,482,391	31,186
1961	1,061,048	27,157	402,814	6,655	1,463,862	33,811
1962	1,224,958	28,597	412,667	7,135	1,637,625	35,732
1963	1,113,705	25,903	562,115	10,082	1,675,820	35,985
1964	1,235,416	28,489	471,824	8,335	1,707,240	36,824
1965	1,362,509	33,923	348,521	6,992	1,711,030	40,916
1966	1,379,225	32,588	409,223	8,386	1,788,448	40,974

a: Whole logs and bolts.
b: Pulpwood chips only. Exports reported in tons have been converted to rough cords on the basis of two tons per "unit" (of 200 cubic feet of loose chips), 71 cubic feet of solid wood per "unit", and one rough cord equals 85 cubic feet of solid wood.
c: Actual amount received, exclusive of all charges (freight, insurance, handling, etc.)
Source: Dominion Bureau of Statistics.

Table 21. Pulpwood Imports

	Roundwood (a) Cords	Value (b) \$'000
1928	32,674	260
1930	94,632	871
1935	19,940	111
1940	47,626	405
1945	4,133	57
1950	28,220	491
1951	46,634	756
1952	31,060	559
1953	48,805	879
1954	105,030	1,657
1955	134,917	2,060
1956	188,144	2,948
1957	179,614	2,859
1958	146,835	2,176
1959	147,766	2,711
1960	227,649	3,770
1961	206,726	3,563
1962	149,884	2,730
1963	129,719	2,437
1964	113,644	2,024
1965	105,747	2,057
1966	122,405	2,575

a: Whole logs and bolts.
b: Sum of values f.o.b. point of shipment in the countries of export (excluding such charges as freight, insurance, handling, and taxes).
Source: Dominion Bureau of Statistics.

"C"—PULP

Table 22. Wood Pulp Production

Tons	Dissolving & Special Alpha	Sulphite	Sulphate	Mechanical	Defibrated & Exploded	Other Wood-Pulp	Screenings	Total
1920		654,273	188,487	1,090,114		27,228		1,960,102
1925		842,785	241,252	1,621,917		1,189	65,364	2,772,507
1930		1,076,804	175,449	2,283,130		12,804	71,158	3,619,345
1935		1,018,977	236,536	2,504,595		20,887	87,346	3,868,341
1940		1,480,545	371,569	3,305,484		27,698	105,466	5,290,762
1941		1,664,516	426,743	3,494,922		31,033	103,633	5,720,847
1942		1,753,453	459,254	3,260,097		33,731	99,926	5,606,461
1943		1,712,571	441,421	2,998,913		34,034	85,891	5,272,830
1944	235,417	1,374,212	467,726	3,076,296		31,814	85,672	5,271,137
1945	233,826	1,405,858	478,740	3,341,920		48,396	92,074	5,600,814
1946	271,563	1,558,454	562,233	3,997,848	48,009	42,150	135,153	6,615,410
1947	306,927	1,720,605	689,435	4,275,269	52,613	57,234	151,588	7,253,671
1948	340,946	1,797,065	815,076	4,413,513	65,636	89,848	152,995	7,675,079
1949	262,972	1,728,487	855,784	4,718,806	75,403	86,224	125,322	7,852,998
1950	335,736	1,875,037	1,053,588	4,910,803	88,962	103,039	105,849	8,473,014
1951	408,969	2,135,863	1,216,907	5,172,465	113,166	137,268	130,211	9,314,849
1952	383,645	1,994,450	1,092,038	5,175,319	109,727	105,826	107,004	8,968,009
1953	430,551	1,967,992	1,205,628	5,122,597	125,443	126,484	98,368	9,077,063
1954	426,638	2,180,653	1,386,127	5,337,610	113,266	125,529	103,193	9,673,016
1955	402,283	2,414,555	1,470,927	5,466,925	139,136	155,026	101,695	10,150,547
1956	402,635	2,561,470	1,596,658	5,723,002	170,954	183,582	95,443	10,733,744
1957	341,927	2,396,654	1,705,806	5,574,233	152,679	171,871	82,125	10,425,295
1958	330,672	2,143,099	1,896,006	5,375,499	167,720	156,753	67,705	10,137,454
1959	390,836	2,129,589	2,234,039	5,655,701	173,619	173,156	75,260	10,832,200
1960	392,392	2,291,850	2,441,784	5,880,529	157,706	223,971	73,257	11,461,489
1961	373,085	2,414,612	2,697,016	5,878,322	135,665	207,866	72,599	11,779,165
1962	477,803	2,406,289	2,926,256	5,891,511	146,656	217,457	66,535	12,132,507
1963	429,104	2,566,020	3,135,779	5,849,543	159,576	246,952	87,133	12,474,107
1964	456,106	2,872,084	3,420,320	6,442,199	184,728	289,754	82,593	13,741,784
1965	474,740	2,924,345	3,786,689	6,801,705	186,967	313,087	85,419	14,572,952
1966e	427,628	3,070,771	4,627,270	7,381,064	192,408	215,330	89,667	16,004,138

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 23. Wood Pulp Annual Capacity

January 1st	Dissolving & Special Alpha	Sulphate				Mechanical (a)	Other (b)	Total
		Sulphite	Bleached & Semi-bleached	Unbleached	Unbleached			
		Bleached	Unbleached					
(In short tons, air-dry weight)								
1949	(c)	777,870	1,662,197	412,635	546,240	5,324,023	177,074	8,900,039
1950	(c)	790,190	1,669,872	437,285	586,460	5,398,099	177,381	9,059,287
1951	(c)	806,130	1,653,697	491,384	634,050	5,527,652	212,971	9,325,884
1952	(c)	929,330	1,789,770	597,211	659,171	5,715,556	207,866	9,898,904
1953	511,404	488,421	1,804,723	558,389	650,864	5,853,515	222,480	10,089,796
1954	512,200	542,030	1,711,787	694,123	675,701	5,969,205	256,247	10,361,293
1955	513,750	585,568	1,765,429	734,129	730,557	6,094,396	304,448	10,728,277
1956	486,440	653,086	1,822,921	754,335	733,214	6,198,748	305,555	10,954,299
1957	503,727	675,940	1,908,476	850,418	955,405	6,472,420	333,393	11,699,779
1958	493,422	688,970	1,978,916	1,382,142	967,385	7,065,227	365,313	12,941,375
1959	507,225	712,470	1,959,206	1,306,080	1,023,878	7,154,472	369,147	12,032,478
1960	421,910	687,774	1,974,296	1,422,455	1,033,199	7,204,437	393,664	13,137,735
1961	374,740	827,850	1,997,355	1,775,575	1,076,389	7,122,230	329,838	13,503,977
1962	431,320	807,342	2,083,000	1,837,542	1,182,286	7,267,236	310,918	13,919,644
1963	441,626	950,861	2,168,502	2,071,618	1,258,227	7,358,019	310,320	14,559,173
1964	480,077	998,655	2,187,800	2,507,409	1,255,811	7,476,920	328,086	15,234,758
1965	522,332	977,083	2,224,270	2,531,273	1,260,080	7,874,329	361,966	15,751,333
1966	492,459	953,344	2,318,045	3,262,378	1,520,967	8,205,909	354,426	17,107,528
1967	491,510	912,911	2,377,941	3,970,032	1,641,279	8,419,316	345,471	18,158,460

a: Groundwood, Defibrated and Exploded pulp and Groundwood screenings.

b: Soda and Semi-chemical pulps and Chemical screenings prior to 1965; Semi-chemical pulp and Chemical screenings since 1965.

c: Included with Sulphite and Sulphate.

Source: Canadian Pulp and Paper Association estimates.

Table 24.

Wood Pulp Exports, by Grades

	Dissolving & Special Alpha Tons	Sulphite Tons	Sulphate Tons	Mechanical Tons	Other Wood-Pulp† Tons	Screenings Tons	All Grades Tons	Value \$'000
1920		382,495	133,146	304,344			819,985	76,384
1925		451,441	149,722	360,204		24,526	961,367	47,932
1930		436,522	86,091	208,758	5,187	23,662	760,220	39,060
1935		411,817	96,954	124,055	10,709	18,940	662,475	27,626
1940		708,806	136,052	204,090	12,334	7,234	1,068,516	60,930
1941		919,737	185,365	271,162	16,682	18,779	1,411,725	85,898
1942		1,013,505	181,325	278,365	18,757	18,794	1,510,746	95,267
1943		1,056,487	183,291	272,900	19,892	23,887	1,556,457	100,013
1944	210,565e	749,732e	178,876	236,545	17,269	15,094	1,408,081	101,563
1945	214,816e	728,058e	181,015	273,906	21,771	14,961	1,434,527	106,055
1946	244,879*	661,833	204,769	268,290	19,667	19,120	1,418,558	114,021
1947	292,125*	726,683	316,711	319,160	21,867	22,166	1,698,712	177,803
1948	309,270*	757,264	389,599	296,520	25,316	20,029	1,797,998	211,465
1949	243,095*	586,881	470,160	206,800	27,471	14,299	1,548,706	170,675
1950	290,356*	678,984	581,994	247,556	33,059	14,194	1,846,143	208,556
1951	363,145*	799,215	709,467	322,706	32,958	15,816	2,243,307	365,133
1952	339,407*	661,800	644,923	254,716	28,984	10,752	1,940,582	291,863
1953	382,960*	589,548	705,659	228,467	34,914	8,604	1,950,152	248,675
1954	368,527*	686,325	844,759	232,230	37,923	10,652	2,180,416	271,418
1955	330,132*	828,698	892,138	261,995	41,288	11,882	2,366,133	297,304
1956	303,423*	818,298	916,397g	274,741	44,950	16,204	2,374,013	304,536
1957	275,385*	691,284	1,015,843g	247,616	42,802	9,726	2,282,656	292,406
1958	218,406*	579,410	1,148,865g	232,782	32,398	7,453	2,219,314	285,449
1959	272,550*	512,731	1,376,409g	240,474	38,285	9,578	2,450,027	311,253
1960	242,001*	603,905	1,466,239g	235,445	43,206	10,662	2,601,458	325,122
1961	307,232	634,398	1,634,604	236,022	45,663	10,926	2,868,845	346,661
1962	355,321	704,683	1,681,066	260,253	33,858	9,277	3,044,458	369,902
1963	372,069	786,492	1,883,355	247,956	40,991	8,629	3,339,492	405,292
1964	401,697	885,169	2,018,268	285,534	38,697	6,916	3,636,281	460,854
1965	384,802	891,410	2,245,101	313,235	13,005	5,052	3,852,605	493,501
1966	364,451	851,735	2,614,701	253,867	36	11,487	4,096,277	520,067

*: Sulphite only.

†: Includes soda prior to 1966 and unspecified grades.

e: Canadian Pulp and Paper Association estimated breakdown of bleached sulphite exports.

g: Includes sulphate dissolving pulp.

Source: Dominion Bureau of Statistics.

Table 25.

Wood Pulp Exports, by Areas

Tons	United States	Other America	United Kingdom	Other Europe	Japan	Other Asia	Africa	Australia & New Zealand	All Countries
1920	630,521	2,670	120,074	41,843	20,352	3,198	—	1,327	819,985
1925	823,857	—	72,187	19,104	45,858	—	—	361	961,367
1930	646,996	1,626	22,580	33,034	53,802	1,837	—	345	760,220
1935	530,671	2,089	51,890	28,725	42,773	5,992	18	317	662,475
1940	825,268	5,393	176,218	22,566	26,857	830	695	10,689	1,068,516
1941	1,108,845	14,061	265,977	1,589	4,590	1,384	470	14,809	1,411,725
1942	1,197,425	10,616	294,056	1,080	—	140	58	7,371	1,510,746
1943	1,269,043	20,877	263,392	1,308	—	—	—	1,837	1,556,457
1944	1,077,811	16,201	292,808	306	—	3,125	185	17,645	1,408,081
1945	1,093,631	15,566	290,885	2,537	—	2,254	126	29,528	1,434,527
1946	1,252,648	14,210	119,873	16,746	—	1,635	72	13,274	1,418,558
1947	1,499,302	13,713	136,976	29,844	—	2,731	28	16,118	1,698,712
1948	1,590,674	10,487	170,596	11,902	2,313	797	—	11,229	1,797,998
1949	1,304,774	5,518	173,745	49,757	11,249	119	—	3,544	1,548,706
1950	1,694,444	10,990	117,920	11,389	4,837	682	500	5,381	1,846,143
1951	1,831,411	32,068	217,251	91,798	61,515	660	224	8,380	2,243,307
1952	1,588,979	32,395	210,685	64,612	30,158	2,913	—	10,840	1,940,582
1953	1,599,491	13,527	214,951	50,274	60,274	6,619	548	4,468	1,950,152
1954	1,669,782	60,113	270,946	101,461	44,245	28,335	2,261	3,273	2,180,416
1955	1,868,804	42,941	280,575	113,418	36,916	18,204	1,957	3,318	2,366,133
1956	1,919,634	24,546	244,163	81,858	84,443	12,963	1,599	4,807	2,374,013
1957	1,847,365	24,669	225,483	75,040	80,439	20,177	1,722	7,761	2,282,656
1958	1,832,520	37,689	216,147	70,581	22,464	29,261	1,897	8,755	2,219,314
1959	1,966,481	64,366	217,336	79,311	47,301	59,436	2,385	13,411	2,450,027
1960	1,999,755	76,421	282,748	128,637	19,999	60,665	1,337	31,896	2,601,458
1961	2,176,585	151,564	278,846	120,640	20,616	83,383	11,810	25,401	2,868,845
1962	2,398,802	91,328	251,742	147,540	52,521	75,951	2,951	23,623	3,044,458
1963	2,505,670	81,028	279,834	208,019	166,521	54,818	3,625	39,977	3,339,492
1964	2,676,940	82,315	338,663	269,579	179,725	43,987	6,138	38,934	3,636,281
1965	2,816,597	84,552	347,161	289,798	204,079	31,308	10,799	68,311	3,852,605
1966	2,977,846	81,100	323,766	344,210	260,674	51,058	12,582	45,041	4,096,277

NOTE: Quantities reported in hundredweights have been converted to the nearest ton for each country and for each grade. For this reason the sum of exports by areas may differ slightly from the sum of exports by grades.
Calendar year figures for 1920-1935 calculated from quarterly and annual reports for fiscal years ending March 31st. Total exports and exports to United States and United Kingdom are exact but exports to other areas have been partly estimated.

Source: Dominion Bureau of Statistics.

Table 26. Canadian Wood Pulp in U.S. Market

Year	U.S. Pulp Production	U.S. Imports	Imports to Production	U.S. Imports from Canada	% of total U.S. Imports
	Tons	Tons	%	Tons	%
1925	3,962,217	1,663,614	41.99	786,679	47.29
1930	4,630,308	1,830,217	39.53	735,864	40.21
1935	4,925,669	1,933,249	39.25	541,078	27.99
1940	8,959,559	1,224,570	13.67	828,330	73.66
1941	10,375,422	1,157,886	11.16	1,144,667	98.86
1942	10,783,430	1,236,519	11.52	1,236,519	100.00
1943	9,680,462	1,305,549	13.49	1,305,549	100.00
1944	10,108,443	1,071,864	10.60	1,071,874	100.00
1945	10,167,200	1,754,065	17.25	1,081,804	61.67
1946	10,606,527	1,805,488	17.02	1,245,154	68.96
1947	11,945,864	2,322,460	19.44	1,528,767	65.83
1948	12,872,292	2,176,111	16.91	1,600,721	73.56
1949	12,207,279	1,763,102	14.44	1,313,884	74.52
1950	14,848,951	2,385,181	16.06	1,717,035	71.99
1951	16,524,408	2,360,706	14.29	1,876,505	79.49
1952	16,472,979	1,941,259	11.78	1,581,214	81.45
1953	17,537,297	2,157,574	12.30	1,613,665	74.79
1954	18,302,273	2,051,798	11.21	1,679,448	81.85
1955	20,739,696	2,213,353	10.67	1,864,721	84.25
1956	22,130,949	2,334,253	10.55	1,956,592	83.82
1957	21,800,209	2,106,681	9.66	1,840,048	87.34
1958	21,795,652	2,101,787	9.64	1,819,301	86.56
1959	24,383,391	2,431,433	9.97	1,975,391	81.24
1960	25,315,589	2,381,487	9.41	2,031,941	85.32
1961	26,522,759	2,466,770	9.30	2,199,608	89.17
1962	27,908,330	2,788,281	9.99	2,435,205	87.34
1963	29,439,097	2,774,778	9.43	2,531,881	91.25
1964	31,911,056	2,942,303	9.22	2,701,656	91.82
1965	33,295,727	3,137,097	9.42	2,820,332	89.90
1966	35,636,268	3,358,183	9.42	3,013,019	89.72

Source: U.S. Pulp Producers Association.

Table 27. Average Value Per Ton of U.S. Pulp Imports from Canada

	Dissolving & Special Chemical Grades*	Bleached Sulphite Paper Grades	Unbleached Sulphite	Bleached Sulphate Paper Grades†	Unbleached & Semi-bl. Sulphate	Mechanical
1937 . . .	\$ 71.82	\$ 57.21	\$ 41.47	\$ 66.83	\$ 41.10	\$19.23
1938 . . .	86.65	53.16	37.97	67.28	47.24	22.50
1939 . . .	74.82	48.42	36.40	58.87	48.84	24.26
1940 . . .	78.45	61.88	48.84	74.81	58.18	28.05
1941 . . .	82.04	67.37	53.86	80.64	57.84	28.25
1942 . . .	81.22	68.21	56.09	84.55	61.08	34.57
1943 . . .	84.47	69.69	57.89	85.72	62.94	32.28
1944 . . .	92.68	78.38	65.99	85.85	66.77	38.31
1945 . . .	93.89	79.49	67.51	85.77	69.25	40.10
1946 . . .	109.74	87.19	76.80	93.48	77.98	45.30
1947 . . .	136.49	123.41	103.06	120.65	104.58	59.76
1948 . . .	152.39	134.01	112.90	146.02	122.82	63.63
1949 . . .	149.55	116.03	98.28	123.68	99.47	57.69
1950 . . .	149.59	115.54	93.01	122.44	92.31	55.74
1951 . . .	176.89	152.79	129.97	167.50	148.42	81.06
1952 . . .	182.13	148.44	135.01	160.05	132.24	76.80
1953 . . .	181.17	134.55	111.17	135.82	106.36	73.36
1954 . . .	176.42	133.86	108.00	133.39	109.53	74.20
1955 . . .	177.46	136.13	114.23	138.74	113.13	74.47
1956 . . .	178.28	142.17	118.27	142.71	115.73	75.61
1957 . . .	187.70	147.66	122.06	144.65	109.02	74.67
1958 . . .	180.07	150.84	124.74	144.26	103.20	74.60
1959 . . .	186.22	147.72	126.51	145.20	102.76	74.54
1960 . . .	172.34	141.65	115.77	140.66	109.42	74.77
1961 . . .	156.16	136.71	110.18	132.48	117.70	73.58
1962 . . .	159.68	126.57	107.27	128.10	111.93	69.66
1963 . . .	163.11	122.54	105.38	128.49	116.75	66.29
1964 . . .	169.34	128.91	108.54	135.71	124.60	69.51
1965 . . .	173.48	131.84	109.63	137.12	124.24	70.75

*Sulphite only prior to 1955; Sulphite and Sulphate from 1955.

†Includes Dissolving and Special Chemical Grades of Sulphate prior to 1955.

Source: United States Pulp Producers Association.

Table 28. Wood Pulp Imports

Year	Sulphite Paper Grades		Dissolving & Special Alpha Tons	Sulphate Paper Grades		Mechanical Tons	Other Wood-Pulp Tons	All Kinds	
	Bleached Tons	Unbleached Tons		Bleached Tons	Unbleached Tons			Tons	Value \$'000
1920	50	13,162	(a)	3,587	—	3,586	757	21,142	1,940
1925	320	20,484	—	—	—	1,353	1,266	23,423	1,275
1930	1,291	12,937	—	1,672	—	2,604	22	18,526	827
1935	106	16,104	—	—	—	117	51	16,378	534
1940	1,661	18,009	—	159	—	142	25	19,996	814
1941	1,031	16,047	—	—	—	3,575	—	20,653	1,070
1942	1,861	19,589	—	—	—	—	—	21,450	1,299
1943	3,046	18,616	—	—	—	—	—	21,662	1,452
1944	3,391	10,356	—	—	—	—	—	13,747	1,100
1945	2,999	10,758	—	—	—	753	—	14,510	1,166
1946	4,121	10,295	—	—	—	55	—	14,471	1,291
1947	4,963	22,121	—	—	—	1,242	—	28,326	3,068
1948	5,290	25,295	—	150	—	2,269	—	33,004	3,800
1949	8,824	23,979	—	2,199	—	362	68	35,432	3,617
1950	7,245	25,941	—	2,185	—	1,185	27	36,583	3,692
1951	5,061	25,758	—	4,047	—	1,548	2	36,416	4,546
1952	6,985	27,678	—	4,530	—	15,396	—	54,589	4,499
1953	6,792	26,573	—	7,473	—	2,546	—	43,384	5,100
1954	7,477	28,630	—	11,593	—	3,991	—	51,691	5,850
1955	13,138	33,431	—	12,932	—	135	—	59,636	6,989
1956	12,164	38,697	—	13,043	—	—	—	63,904	8,117
1957	14,923	31,700	—	18,261	—	—	—	64,884	8,345
1958	12,764	22,057	—	18,923	—	25	—	53,769	7,346
1959	16,866	23,112	—	25,330	—	—	—	65,308	8,967
1960	20,270	26,469	—	17,060	—	105	—	63,904	8,657
1961	21,157	27,255	—	13,267	—	69	—	61,748	8,404
1962	24,667	28,562	—	10,099	—	—	—	63,328	8,962
1963	31,718	29,303	—	13,187	—	—	—	74,208	10,264
1964	9,150	32,090	21,575	9,948	769	—	1,681	75,213	10,440
1965	6,932	32,371	27,587	23,861	58	—	2,716	93,525	13,296
1966	4,000	21,467	15,795	15,710	60	—	956	57,988	8,042

a: Included with bleached sulphite prior to 1964.

Source: Dominion Bureau of Statistics.

Table 29. Sulphite Pulp — Paper Grades

TOTAL	Production	Exports	Value \$'000
	Tons	Tons	
1957	2,396,654	691,284	89,287
1958	2,143,099	579,410	76,570
1959	2,129,589	512,731	67,861
1960	2,291,850	603,905	77,352
1961	2,414,612	634,398	76,663
1962	2,406,289	704,683	84,157
1963	2,566,020	786,492	90,860
1964	2,872,084	885,169	109,790
1965	2,924,345	891,410	109,901
1966	3,070,771e	851,735	103,963
BLEACHED (a)			
1957	584,396	397,738	53,601
1958	535,972	361,205	49,434
1959	506,817	333,015	45,832
1960	572,414	434,118	57,608
1961	683,642	444,032	55,510
1962	717,298	500,792	61,702
1963	847,189	567,708	67,904
1964	958,137	627,201	79,831
1965	900,049	628,316	81,977
1966	923,413e	605,290	78,989
UNBLEACHED (a)			
1957	1,812,258	293,546	35,686
1958	1,607,127	218,205	27,137
1959	1,622,772	179,716	22,029
1960	1,719,436	169,787	19,744
1961	1,730,970	190,366	21,153
1962	1,688,991	203,891	22,456
1963	1,718,831	218,784	22,956
1964	1,913,947	257,968	26,959
1965	2,024,296	263,094	27,924
1966	2,147,358e	209,106	20,933

a: Comparable figures for 1920-1956 are given in Table 36.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 30. Sulphate Pulp — Paper Grades

TOTAL	Production	Exports	Value \$'000
	Tons	Tons	
1957	1,705,806	1,015,843g*	130,032g*
1958	1,896,006	1,148,865g*	148,723g*
1959	2,234,039	1,376,409*	172,557*
1960	2,441,784	1,466,239*	182,644*
1961	2,697,016	1,634,604	195,822
1962	2,926,256	1,681,066	202,022
1963	3,135,779	1,883,355	227,666
1964	3,420,320	2,018,268	259,162
1965	3,786,689	2,245,011	291,412
1966	4,627,270e	2,614,701	333,243
BLEACHED (a)			
1957	799,311	749,147g*	103,274g*
1958	908,804	900,481g*	124,423g*
1959	1,060,963	909,262*	126,511*
1960	1,170,901	980,131*	134,792*
1961	1,293,131	1,060,277	139,551
1962	1,413,425	1,147,190	149,000
1963	1,624,482	1,374,932	176,289
1964	1,825,262	1,505,417	204,225
1965	1,903,532	1,654,917	227,462
1966	2,466,252e	1,986,728	266,352
SEMI-BLEACHED (a)			
1957	115,295	n.a.	n.a.
1958	173,068	n.a.	n.a.
1959	242,389	149,883	17,035
1960	283,818	139,872	16,013
1961	322,746	160,958	17,439
1962	420,672	183,764	19,736
1963	396,256	152,403	17,175
1964	621,285	191,710	22,647
1965	624,234	223,293	26,602
1966	732,029e	233,616	27,420
UNBLEACHED (a)			
1957	791,200	266,696	26,757
1958	814,134	248,384	24,295
1959	930,687	317,264	29,011
1960	987,065	346,236	21,839
1961	1,081,139	413,369	38,833
1962	1,092,159	350,112	33,286
1963	1,115,041	356,020	34,201
1964	973,773	321,141	32,289
1965	1,258,923	366,891	37,448
1966	1,428,989e	394,357	39,471

*: Includes sulphate dissolving pulp.

a: Comparable figures for 1920-1956 are given in Table 37.

e: Canadian Pulp and Paper Association estimate.

g: Includes semi-bleached.

Source: Dominion Bureau of Statistics.

Table 31. Dissolving and Special Alpha Pulps (Sulphite and Sulphate)

	Production	Exports	Value \$'000
	Tons	Tons (See Note)	
1956	402,635	303,423*	53,939
1957	341,927	275,385*	49,217
1958	330,672	218,406*	39,024
1959	390,836	272,550*	48,429
1960	392,392	242,001*	42,708
1961	373,085	307,232	51,956
1962	477,803	355,321	61,344
1963	429,104	372,069	64,485
1964	450,106	401,697	71,123
1965	474,740	384,802	69,547
1966	427,628e	364,451	65,034

Note: Comparable figures not published prior to 1956. For statistics of sulphite dissolving pulp 1944-1955, see Table 36.

*: Sulphite only.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 32. Mechanical Pulp

TOTAL	Production	Exports	Value \$'000
	Tons	Tons	
1920	1,090,114	304,344	17,575
1925	1,621,917	360,204	10,572
1930	2,283,130	208,758	5,967
1935	2,504,595	124,055	2,632
1940	3,305,484	204,090	6,265
1941	3,494,922	271,162	8,836
1942	3,260,097	278,365	10,507
1943	2,998,913	272,900	10,069
1944	3,076,296	236,545	10,134
1945	3,341,920	273,906	12,101
1946	3,997,848	268,290	12,571
1947	4,275,269	319,160	19,099
1948	4,413,513	296,520	19,257
1949	4,718,806	206,800	11,892
1950	4,910,803	247,556	14,038
1951	5,172,465	322,706	26,742
1952	5,175,319	254,716	20,413
1953	5,122,597	228,467	15,828
1954	5,337,610	232,230	16,502
1955	5,466,925	261,995	18,188
1956	5,723,002	274,741	19,594
1957	5,574,233	247,616	17,567
1958	5,375,499	232,782	16,195
1959	5,655,701	240,474	16,661
1960	5,880,529	235,445	16,348
1961	5,878,322	236,022	15,982
1962	5,891,511	260,253	17,698
1963	5,849,543	247,956	16,833
1964	6,442,199	285,534	18,528
1965	6,801,705	313,235	20,743
1966	7,381,064e	253,867	17,260
BLEACHED			
1952	37,835	33,473	2,665
1953	56,930	49,237	3,553
1954	61,823	52,211	3,831
1955	50,889	41,882	3,066
1956	55,287	44,395	3,252
1957	49,641	35,095	2,508
1958	94,307	15,462	1,107
1959	274,361	12,964	1,004
1960	327,056	12,858	991
1961	353,506	17,077	1,406
1962	380,092	23,249	1,812
1963	543,360	18,483	1,436
1964	449,422	13,175	1,041
1965	746,632	7,506	596
1966	n.a.	5,608	453
UNBLEACHED			
1952	5,137,484	221,243	17,748
1953	5,065,667	179,230	12,295
1954	5,275,787	180,019	12,671
1955	5,416,036	220,113	15,123
1956	5,667,715	230,346	16,341
1957	5,524,592	212,521	15,058
1958	5,281,192	217,320	15,088
1959	5,381,340	227,510	15,657
1960	5,553,473	222,587	15,358
1961	5,524,816	217,945	14,576
1962	5,511,419	237,004	15,886
1963	5,306,183	229,473	15,398
1964	5,992,777	272,359	12,256
1965	6,055,073	305,729	20,147
1966	n.a.	248,259	16,807

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 33. Defibrated and Exploded Pulps

	Production Tons	Exports Tons	Value \$'000
1946	48,009	—	—
1947	52,613	—	—
1948	65,636	—	—
1949	75,403	—	—
1950	88,962	—	—
1951	113,166	—	—
1952	109,727	—	—
1953	125,443	—	—
1954	113,266	—	—
1955	139,136	—	—
1956	170,954	—	—
1957	152,679	—	—
1958	167,720	—	—
1959	173,619	—	—
1960	157,706	—	—
1961	135,665	—	—
1962	146,656	—	—
1963	159,576	—	—
1964	184,728	—	—
1965	186,967	—	—
1966	192,408e	—	—

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 34. Other Wood Pulps*

	Production Tons	Exports Tons	Value \$'000
1920	27,228	—	—
1925	1,189	—	—
1930	12,804	5,187	370
1935	20,887	10,709	466
1940	27,698	12,334	717
1941	31,033	16,682	1,097
1942	33,731	18,757	1,243
1943	34,034	19,892	1,445
1944	31,814	17,269	1,357
1945	48,396	21,771	1,824
1946	42,150	19,667	1,764
1947	57,234	21,867	2,527
1948	89,848	25,316	3,289
1949	86,224	27,471	3,370
1950	103,039	33,059	4,286
1951	137,268	32,958	5,277
1952	105,826	28,984	4,294
1953	126,484	34,914	4,888
1954	125,529	37,923	5,307
1955	155,026	41,288	5,874
1956	183,582	44,950	6,395
1957	171,871	42,802	6,044
1958	156,753	32,398	4,691
1959	173,156	38,285	5,424
1960	233,971	43,206	5,763
1961	207,866	45,663	5,918
1962	217,457	33,858	4,399
1963	246,952	40,991	5,214
1964	289,754	38,697	5,086
1965	313,087	13,005	1,801
1966	215,330e	36	4

*: Includes soda (prior to 1966), semi-chemical and unspecified grades of wood pulp.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 35. Screenings

	Production Tons	Exports (a) Tons	Value \$'000
1923	43,966	18,554e	448
1925	65,364	24,526e	565
1930	71,158	23,662	416
SCREENINGS — CHEMICAL			
1935	28,230	8,311	110
1940	42,741	3,016	55
1941	48,270	11,602	229
1942	51,905	11,809	259
1943	51,053	17,834	408
1944	48,826	11,120	317
1945	53,121	10,396	310
1946	66,277	11,326	391
1947	82,228	12,893	651
1948	83,894	11,537	490
1949	71,179	6,169	144
1950	73,276	7,758	211
1951	86,945	10,020	492
1952	67,864	5,077	206
1953	64,384	2,929	111
1954	68,131	4,154	144
1955	70,269	5,972	223
1956	65,343	6,415	239
1957	54,687	5,481	206
1958	45,166	6,188	225
1959	54,485	5,035	184
1960	51,411	7,181	253
1961	50,118	7,454	268
1962	45,715	6,672	241
1963	51,749	5,056	180
1964	48,851	3,153	109
1965	43,930	1,071	39
1966	46,115e	990	49
SCREENINGS — MECHANICAL			
1935	59,116	10,629	72
1940	62,725	4,218	62
1941	55,363	7,177	88
1942	48,021	6,985	83
1943	34,838	6,053	49
1944	36,846	3,974	41
1945	38,953	4,565	42
1946	68,876	7,794	163
1947	69,360	9,273	98
1948	69,101	8,492	94
1949	54,143	8,130	80
1950	32,573	6,436	78
1951	43,266	5,796	98
1952	39,140	5,675	124
1953	33,984	5,675	134
1954	35,062	6,498	156
1955	31,426	5,910	143
1956	30,100	9,789	448
1957	27,438	4,245	54
1958	22,539	1,265	20
1959	20,775	4,543	136
1960	21,846	3,481	53
1961	22,481	3,472	52
1962	20,820	2,605	42
1963	35,384	3,573	55
1964	33,742	3,763	56
1965	41,489	3,981	58
1966	43,552e	10,497	514

a: For years prior to 1946, breakdown of total screenings exports into chemical and mechanical screenings estimated on basis of known quantity and value "made for export".

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 36. Sulphite Pulp (1920-1956)

UNBLEACHED	Production Tons	Exports Tons	Value \$'000
1920	515,649	281,855	30,778
1925	615,320	265,553	14,150
1930	783,410	187,424	9,201
1935	644,820	98,673	3,187
1940	936,558	281,324	14,857
1941	1,073,704	438,140	25,943
1942	1,156,137	550,204	33,899
1943	1,125,033	590,541	36,997
1944	1,023,930	525,777	37,235
1945	1,035,755	480,836	34,916
1946	1,213,220	446,209	35,120
1947	1,322,783	484,724	48,489
1948	1,406,358	514,917	58,521
1949	1,354,368	346,361	35,277
1950	1,450,004	411,482	41,842
1951	1,697,672	555,045	90,017
1952	1,596,333	432,126	62,318
1953	1,552,056	349,619	39,134
1954	1,653,324	350,839	38,046
1955	1,790,737	371,705	42,533
1956	1,888,786	375,212	44,324
BLEACHED — ALL GRADES			
1920	138,624	100,640	15,225
1925	227,465	185,888	14,050
1930	293,394	249,098	17,955
1935	374,157	313,144	16,250
1940	543,987	427,482	29,813
1941	590,812	481,597	37,137
1942	597,316	463,301	36,382
1943	587,538	465,946	37,528
BLEACHED — DISSOLVING PULP*			
1944	235,417	210,565e	19,504e
1945	233,826	214,816e	21,147e
1946	271,563	244,879	27,211
1947	306,927	292,125	38,976
1948	340,946	309,270	46,091
1949	262,972	243,095	37,147
1950	335,736	290,356	45,478
1951	408,969	363,145	71,832
1952	383,645	339,407	66,364
1953	430,551	382,960	69,172
1954	426,638	368,527	65,177
1955	402,283	330,132	58,418
BLEACHED — PAPER GRADES			
1944	350,282	223,955e	19,110e
1945	370,103	247,222e	21,344e
1946	345,234	215,624	19,802
1947	397,822	241,959	30,316
1948	390,707	242,347	32,406
1949	374,119	240,520	27,954
1950	425,033	267,502	32,377
1951	438,191	244,170	40,508
1952	398,117	229,674	34,638
1953	415,936	239,929	30,701
1954	527,329	335,486	42,360
1955	623,818	456,993	58,901
1956	672,684	443,086	59,903

*: With Dissolving and Special Alpha Pulps since 1956.
e: Estimated.

Source: Dominion Bureau of Statistics.

Table 37. Sulphate Pulp (1920-1956)

ALL GRADES	Production Tons	Exports Tons	Value \$'000
1920	188,487	133,146	12,805
1925	241,252	149,722	9,159
1930	175,449	86,091	5,152
1935	236,536	96,954	4,910
1940	371,569	136,052	9,162
1941	426,743	185,365	12,568
1942	459,254	181,325	12,894
1943	441,421	183,291	13,517
1944	467,726	178,876	13,864
1945	478,740	181,105	14,370
1946	562,233	204,769	16,999
1947	689,435	316,711	37,246
1948	815,076	389,599	51,416
1949	855,784	470,160	54,812
1950	1,053,588	581,994	70,245
1951	1,216,907	709,467	130,166
1952	1,092,038	644,923	103,506
1953	1,205,628	705,659	88,707
1954	1,386,127	844,759	103,726
1955	1,470,927	892,138	113,023
1956	1,596,658	916,397	119,695
BLEACHED			
1947	194,326	181,416g	23,448g
1948	255,346	232,538g	32,721g
1949	362,283	331,902g	41,611g
1950	436,810	392,291g	51,380g
1951	524,658	475,976g	87,367g
1952	524,513	490,986g	80,407g
1953	579,537	534,586g	72,813g
1954	695,460	639,804g	84,722g
1955	730,637	670,445g	90,940g
1956	716,080	684,435g	95,086g
SEMI-BLEACHED			
1947	21,451	n.a.	n.a.
1948	17,060	n.a.	n.a.
1949	10,184	n.a.	n.a.
1950	12,897	n.a.	n.a.
1951	11,054	n.a.	n.a.
1952	15,320	n.a.	n.a.
1953	24,666	n.a.	n.a.
1954	46,187	n.a.	n.a.
1955	60,410	n.a.	n.a.
1956	81,700	n.a.	n.a.
UNBLEACHED			
1947	473,658	135,295	13,798
1948	542,670	157,061	18,696
1949	483,317	138,258	13,202
1950	603,881	189,703	18,865
1951	681,195	233,491	42,799
1952	552,205	153,937	23,099
1953	601,425	171,073	15,894
1954	644,480	204,955	19,004
1955	679,880	221,693	22,083
1956	798,878	231,962	24,609

g. Includes semi-bleached.

Source: Dominion Bureau of Statistics.

Table 38. Consumption of Wood Pulp in Paper, Paperboard, and Other Board Production, by Sources

Year	1920 - 1951 Sulphate					Unbleached Tons	Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood Pulp Tons
	All Kinds Tons	Sulphite Bleached Tons	Unbleached Tons	Bleached and Semi-bleached Tons						
OWN PULP FROM SAME MILL										
1920	963,762	3,630	199,507	51,041		702,519	—	—	7,065	
1925	1,643,123	14,184	285,294	95,099		1,222,210	25,305	—	1,031	
1930	2,736,964	20,523	560,977	71,755		2,045,504	37,833	—	372	
1935	3,041,835	26,357	508,748	108,319		2,354,442	43,119	—	850	
1940	3,959,472	46,627	585,314	191,573		3,067,887	63,113	—	4,958	
1943	3,574,185	50,981	500,084	211,526		2,759,392	47,661	—	4,541	
1944	3,651,322	58,306	453,584	242,900		2,840,653	51,331	—	4,548	
1945	3,978,373	58,601	517,586	249,896		3,057,837	53,585	23,803	17,065	
1946	4,922,055	60,573	699,812		307,788	3,712,242	69,657	48,549	12,863	
1947	5,249,369	67,720	759,869	16,183	323,482	3,928,813	76,895	52,613	23,794	
1948	5,534,167	64,534	811,142	21,958	352,749	4,077,780	88,225	65,636	52,143	
1949	5,991,912	67,435	928,159	24,073	339,491	4,427,388	81,135	75,403	48,828	
1950	6,213,302	74,043	956,733	27,272	376,186	4,566,343	63,788	88,962	59,975	
1951	6,583,069	80,225	1,036,328	33,209	402,126	4,743,924	80,731	113,166	93,360	
PURCHASED PULP AND OWN PULP FROM OTHER MILLS										
1920	193,135	19,805	70,726	4,631		96,640	—	—	1,333	
1925	204,630	29,194	96,522	10,113		57,733	9,653	—	1,415	
1930	160,178	34,010	54,034	13,063		23,208	26,994	—	8,869	
1935	170,869	45,896	49,046	25,578		14,936	27,677	—	7,736	
1940	217,407	54,459	64,605	36,081		19,338	32,717	—	10,207	
1943	214,132	63,090	59,356	42,720		14,580	24,455	—	9,931	
1944	208,323	61,266	53,035	45,452		11,182	27,598	—	9,790	
1945	220,733	75,444	43,851	48,645		12,184	30,932	—	9,677	
1946	261,500	83,305	69,680	12,077	27,712	16,498	41,929	—	10,299	
1947	335,692	98,896	101,835	12,929	27,012	35,570	47,590	—	11,860	
1948	319,133	93,780	104,061	14,477	25,405	31,689	37,569	—	12,152	
1949	347,095	91,213	84,932	18,664	26,112	89,222	26,077	—	10,875	
1950	378,704	102,659	97,327	25,782	33,486	83,365	26,089	—	9,996	
1951	432,813	114,842	105,401	33,029	39,261	100,872	28,461	—	10,947	
OWN PULP FROM SAME MILL										
1952-1966										
1952	6,660,897	78,880	1,081,585	35,831	374,199	4,845,369	68,476	109,727	66,830	
1953	6,744,045	74,710	1,118,222	39,363	398,622	4,844,401	59,997	125,443	83,287	
1954	7,047,544	75,765	1,198,224	41,098	416,473	5,058,049	66,380	113,266	78,289	
1955	7,315,431	76,234	1,303,254	47,193	428,004	5,156,788	64,997	139,136	99,825	
1956	7,840,417	95,762	1,437,895	59,987	525,113	5,376,968	55,845	170,954	117,893	
1957	7,674,107	95,120	1,412,201	90,413	482,757	5,284,747	50,551	152,366	105,952	
1958	7,450,485	97,737	1,287,811	115,096	524,776	5,113,472	42,774	167,720	101,099	
1959	7,894,261	108,980	1,342,572	143,491	586,306	5,376,166	49,237	173,619	113,890	
1960	8,369,625	107,274	1,479,580	198,970	604,460	5,608,141	45,612	157,727	167,861	
1961	8,389,009	112,806	1,487,205	220,589	621,520	5,614,387	44,770	124,616	163,116	
1962	8,422,378	118,344	1,423,908	251,570	682,142	5,603,183	35,423	146,656	161,152	
1963	8,484,040	120,997	1,427,454	291,734	704,775	5,553,778	42,928	159,576	182,798	
1964	9,304,248	122,178	1,616,402	312,667	705,274	6,107,380	43,250	184,418	212,679	
1965	9,871,565	127,969	1,672,845	378,001	763,932	6,463,318	51,042	186,967	227,491	
1966	10,820,525e	176,987e	1,845,963e	462,152e	945,417e	6,875,022e	46,528e	203,232e	265,224e	
OWN PULP FROM OTHER MILLS										
1952	216,496	51,874	78,942	10,355	6,104	49,083	17,007	—	3,131	
1953	198,812	55,528	90,626	17,329	5,984	8,534	16,829	—	3,982	
1954	204,944	58,225	93,327	16,566	7,788	8,145	17,425	—	3,468	
1955	228,622	58,796	108,670	22,502	7,122	8,326	18,207	—	4,999	
1956	228,028	52,826	101,746	25,539	4,770	20,087	17,147	—	5,913	
1957	202,014	59,459f	86,052	24,119	4,072	12,498	10,027	—	5,787	
1958	152,389	53,297f	62,119	17,333	4,392	7,617	5,023	—	2,608	
1959	171,270	58,845f	77,550	15,961	5,626	5,401	5,989	—	1,898	
1960	169,975	70,719f	65,027	18,888	4,787	4,570	4,036	—	1,948	
1961	179,486	73,753f	58,977	25,241	6,901	2,475	9,856	—	2,283	
1962	256,075	78,831	68,839	70,047	20,158	3,624	8,642	—	5,934	
1963	314,078	84,879	70,673	92,627	41,289	5,634	12,360	—	6,616	
1964	358,280	84,754f	75,893	115,019	55,156	5,635	13,211	—	8,612	
1965	361,260	98,783	69,202	106,874	59,862	5,388	11,907	—	9,244	
1966	255,008e	33,578ef	58,910e	117,296e	3,385e	27,439e	10,425e	—	3,975e	
PURCHASED PULP										
1952	176,005	47,165	26,516	24,100	21,580	34,360	10,047	312	11,925	
1953	204,160	48,701	32,615	29,666	23,093	49,576	10,586	23	9,900	
1954	203,987	47,607	31,491	47,430	25,403	27,701	12,182	—	12,173	
1955	255,824	53,923	45,410	55,165	30,653	48,388	8,376	—	13,909	
1956	270,827	65,372	47,677	56,880	30,682	42,182	6,119	—	21,915	
1957	266,839	59,992f	48,723	67,941	32,551	30,187	6,780	2,322	18,343	
1958	278,653	59,884f	55,918	82,349	28,341	15,385	9,840	3,428	23,508	
1959	301,612	54,781f	47,376	108,650	28,651	16,305	9,208	7,258	29,383	
1960	293,175	55,263f	38,697	114,462	26,901	12,382	9,178	7,842	28,450	
1961	305,947	64,468f	34,633	126,938	30,950	11,427	9,767	—	27,764	
1962	320,016	71,913f	24,206	153,827	25,388	14,343	8,260	—	27,538	
1963	322,169	72,213f	21,787	155,177	23,996	14,607	6,420	—	27,969	
1964	382,090	73,996f	35,655	190,276	21,394	22,812	6,944	—	31,013	
1965	446,455	70,219	38,589	249,128	22,803	28,409	8,083	—	29,224	
1966	542,040e	93,088e	52,255e	265,597e	28,077e	61,702e	22,274e	—	19,047e	

e: Canadian Pulp and Paper Association estimate.

f: Includes Dissolving and Special Alpha (Sulphite and Sulphate).

Note: Prior to 1952 transfers of own pulp from one mill to another were reported as purchases by the consuming mills and as sales by the producing mills.

Source: Dominion Bureau of Statistics.

Table 39. Consumption of Wood Pulp in Paper, Paperboard, and Other Board Production, by Kinds

Year	Sulphite			Sulphate		Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood Pulp Tons
	All Kinds Tons	Bleached Tons	Unbleached Tons	Bleached and Semi-bleached Tons	Unbleached Tons				
1920	1,156,897	23,435	270,233		55,672	799,159	—	—	8,398
1925	1,847,753	43,378	381,816		105,212	1,279,943	34,958	—	2,446
1930	2,897,142	54,533	615,011		105,212	2,068,712	63,827	—	9,241
1935	3,212,704	72,253	557,794		133,897	2,369,378	70,796	—	8,586
1940	4,176,879	101,086	649,919		227,654	3,087,225	95,830	—	15,165
1941	4,364,329	110,431	671,265		251,880	3,226,986	87,037	—	16,730
1942	4,061,458	124,258	607,684		265,728	2,969,746	79,182	—	14,860
1943	3,788,317	114,071	559,440		254,246	2,773,972	72,116	—	14,472
1944	3,859,645	119,572	506,619		288,352	2,851,835	78,929	—	14,338
1945	4,199,106	134,045	561,437		298,541	3,070,021	84,517	23,803	26,742
1946	5,183,555	143,878	769,492	22,648	335,500	3,728,740	111,586	48,549	23,162
1947	5,585,061	166,616	861,704	29,112	350,494	3,964,383	124,485	52,613	35,654
1948	5,853,300	158,314	915,203	36,435	378,154	4,109,469	125,794	65,636	64,295
1949	6,339,007	158,648	1,013,091	42,737	365,603	4,516,610	107,212	75,403	59,703
1950	6,592,006	176,702	1,054,060	53,054	409,672	4,649,708	89,877	88,962	69,971
1951	7,015,882	195,067	1,141,729	66,238	441,387	4,844,796	109,192	113,166	104,307
1952	7,053,398	177,919	1,187,043	70,286	401,883	4,928,812	95,530	110,039	81,886
1953	7,147,017	178,939	1,241,463	86,358	427,699	4,902,511	87,412	125,466	97,169
1954	7,456,475	181,597	1,323,042	105,094	449,664	5,093,895	95,987	113,266	93,930
1955	7,799,877	188,953	1,457,334	124,860	465,779	5,213,502	91,580	139,136	118,733
1956	8,339,272	213,960	1,587,318	142,406	560,565	5,438,237	79,111	170,954	145,721
1957	8,142,960	214,571f	1,546,976	182,473	519,380	5,327,432	67,358	154,688	130,082
1958	7,881,527	210,918f	1,405,848	214,778	557,509	5,136,474	57,637	171,148	127,215
1959	8,367,143	222,606f	1,467,498	268,102	620,583	5,397,872	64,434	180,877	145,171
1960	8,832,775	233,256f	1,583,304	332,320	636,148	5,625,093	58,826	165,569	198,259
1961	8,874,442	251,027f	1,580,815	372,768	659,371	5,628,289	64,393	124,616	193,163
1962	8,998,469	269,088f	1,516,953	475,444	727,688	5,621,150	52,325	146,656	194,624
1963	9,120,287	278,089f	1,519,914	539,538	770,060	5,574,019	61,708	159,576	217,383
1964	10,044,618	280,928f	1,727,950	617,962	781,824	6,135,827	63,405	184,418	252,304
1965	10,679,280	296,971f	1,780,636	734,003	846,597	6,497,115	71,032	186,967	265,959
1966	11,617,573e	303,653ef	1,957,128e	845,045e	976,879e	6,964,163e	79,227e	203,232e	288,246e

e: Canadian Pulp and Paper Association estimate.

f: Includes Dissolving and Special Alpha (Sulphite and Sulphate).

Source: Dominion Bureau of Statistics.

"D"—NEWSPRINT

Data in this section have been compiled by
Newsprint Association of Canada from the sources mentioned.

Throughout this section Newfoundland statistics are included, unless otherwise noted, in the Canadian totals for all years.

Table 40. Newsprint Capacity, Production and Shipments

Tons	Annual Capacity	Annual Production	Oper. Ratio	Shipments To		Total Exports	Shipments in Canada	Total Shipments
				U.S.A.	Overseas			
1915		549,000		329,000	95,000			
1920	1,016,000	938,000	92.3	679,306	160,000	839,306	110,000	949,306
1925	1,823,000	1,618,805	88.8	1,315,404	148,000	1,463,404	124,000	1,587,404
1930	3,902,000	2,791,406	71.5	2,145,471	442,000	2,587,471	162,000	2,749,471
1935	4,263,120	3,082,994	72.3	2,122,099	727,338	2,849,437	200,303	3,049,740
1940	4,716,030	3,769,946	79.9	2,741,363	877,851	3,619,214	184,605	3,803,819
1941	4,702,671	3,770,665	80.2	2,987,235	616,890	3,604,125	197,508	3,801,633
1942	4,763,235	3,454,528	72.5	3,006,592	278,791	3,285,383	203,484	3,488,867
1943	4,677,951	3,219,004	68.8	2,680,790	398,640	3,079,430	193,848	3,273,278
1944	4,726,464	3,264,581	69.1	2,529,693	553,457	3,083,150	188,261	3,271,411
1945	4,672,080	3,591,901	76.9	2,665,947	685,469	3,351,416	201,492	3,552,908
1946	4,640,944	4,506,063	97.1	3,563,124	684,770	4,247,894	248,366	4,496,260
1947	4,728,724	4,820,164	101.9	3,897,300	700,839	4,598,139	275,144	4,873,283
1948	4,883,127	4,982,834	102.0	4,127,970	532,589	4,660,559	306,485	4,967,044
1949	5,113,108	5,176,327	101.2	4,380,250	448,697	4,828,947	335,385	5,164,332
1950	5,226,675	5,278,585	101.0	4,748,228	207,803	4,956,031	354,602	5,310,633
1951	5,359,816	5,516,279	102.9	4,783,549	360,067	5,143,616	359,895	5,503,511
1952	5,510,397	5,687,051	103.2	4,835,065	462,616	5,297,681	368,768	5,666,449
1953	5,722,640	5,721,296	100.0	4,861,372	472,915	5,334,287	398,277	5,732,564
1954	5,919,917	5,984,207	101.1	4,875,031	674,534	5,549,565	420,896	5,970,461
1955	6,064,489	6,190,647	102.1	5,070,211	734,902	5,805,113	430,444	6,235,557
1956	6,242,514	6,468,815	103.6	5,229,748	741,944	5,971,692	477,130	6,448,822
1957	6,756,071	6,396,501	94.7	5,054,729	852,664	5,907,393	456,728	6,364,121
1958	7,238,516	6,095,553	84.2	4,826,696	782,328	5,609,024	434,292	6,043,316
1959	7,520,681	6,394,172	85.0	5,117,766	834,938	5,952,704	472,579	6,425,283
1960	7,611,194	6,738,611	88.5	5,279,227	986,072	6,265,299	487,102	6,752,401
1961	7,734,058	6,734,759	87.1	5,226,673	988,867	6,215,540	491,931	6,707,471
1962	7,843,687	6,690,899	85.3	5,228,624	940,829	6,169,453	510,551	6,680,004
1963	8,054,615	6,630,483	82.3	5,179,634	919,928	6,099,562	522,718	6,622,280
1964	8,274,069	7,301,357	88.2	5,648,145	1,111,266	6,759,411	550,433	7,309,844
1965	8,420,791	7,719,710	91.7	6,093,458	1,063,277	7,156,735	590,479	7,747,214
1966	8,878,104	8,418,793	94.8	6,610,154	1,154,043	7,764,197	620,461	8,384,658

Capacity is shown as at the beginning of each year plus allowances for new machines from the date they are expected to operate. It is possible for production to exceed capacity partly because no allowance is made for improvements in equipment during the year.

Source: Newsprint Association of Canada.

Table 41. Daily Capacity and Production

Tons	Number of Work Days	Capacity Per Day	Production Per Day
1935	310	13,752	9,945
1940	310	15,213	12,161
1941	309	15,219	12,203
1942	309	15,415	11,180
1943	309	15,139	10,417
1944	309	15,296	10,565
1945	309	15,120	11,624
1946	308	15,068	14,630
1947	308	15,353	15,650
1948	309	15,803	16,126
1949	308	16,601	16,806
1950	307	17,025	17,194
1951	308	17,402	17,910
1952	309	17,833	18,405
1953	308	18,580	18,576
1954	311	19,030	19,306
1955	310	19,559	19,963
1956	310	20,115	20,890
1957	311	21,701	20,614
1958	312	23,175	19,559
1959	311	24,162	20,545
1960	313	24,339	21,544
1961	315	24,559	21,408
1962	317	24,709	21,078
1963	319	25,240	20,777
1964	320	25,872	22,830
1965	315	26,742	24,261
1966	337	26,370	25,053

Because of variations in the number of workdays, daily capacity provides the most accurate measurement of changes in capacity.

Source: Newsprint Association of Canada.

Table 42. Newsprint Shipments Overseas

Tons	British Isles	Australia & N.Z.	Central & S. America	Europe & Med. Area	Other Africa	Far East
1946	119,631	195,067	254,949	10,497	41,241	63,225
1947	131,203	212,444	234,040	9,810	44,256	68,916
1948	123,310	78,196	207,411	9,768	49,846	63,925
1949	126,484	74,000	139,749	11,702	54,334	42,286
1950	28,056	33,030	104,923	4,245	10,522	26,865
1951	103,462	37,671	131,769	22,710	21,366	42,907
1952	135,749	76,266	163,028	11,562	40,101	35,677
1953	189,591	48,396	158,417	3,781	27,993	44,493
1954	272,781	76,710	186,327	55,986	30,235	52,280
1955	306,910	99,202	166,741	71,226	38,740	51,872
1956	355,197	73,779	192,328	34,254	45,056	41,058
1957	395,901	82,890	239,544	34,863	52,403	46,857
1958	394,355	79,730	201,706	26,557	53,917	25,844
1959	415,392	102,282	207,227	6,536	64,244	39,010
1960	479,496	162,474	234,561	15,629	72,200	21,712
1961	459,151	146,633	272,051	23,358	57,998	29,676
1962	498,106	109,566	232,718	10,040	43,120	47,279
1963	457,509	81,426	244,826	24,761	45,278	66,128
1964	481,004	130,029	260,787	21,349	63,890	154,207
1965	389,867	122,348	324,028	61,869	58,334	106,831
1966	385,710	145,394	389,189	86,343	14,109	133,298

Source: Newsprint Association of Canada.

Table 43. Value of Newsprint Production and Exports

Figures for 1915-1948 do not include Newfoundland.

Year	Production \$'000	Exports \$'000
1915	n.a.	16,439
1920	80,865	72,920
1925	106,269	98,945
1930	136,182	133,371
1935	88,436	87,924
1940	158,447	151,360
1941	158,925	154,357
1942	147,074	141,066
1943	152,963	144,707
1944	165,655	157,191
1945	189,024	179,451
1946	280,810	265,865
1947	355,541	242,293
1948	402,100	383,123
1949	467,976	440,054
1950	506,968	485,746
1951	564,361	536,372
1952	600,516	591,790
1953	633,408	619,033
1954	657,487	635,670
1955	688,338	665,877
1956	735,644	708,385
1957	729,009	715,490
1958	699,906	690,209
1959	730,455	722,271
1960	783,364	757,930
1961	809,602	761,313
1962	821,380	753,060
1963	811,311	759,990
1964	887,908	834,646
1965	927,832	869,586
1966	1,019,516e	968,224

e: Canadian Pulp and Paper Association estimate.
n.a.: not available.

Source: Dominion Bureau of Statistics

Table 44. Newsprint and Total Canadian Exports to United States

Millions of Dollars

Year	Newsprint Exports to U.S.	Total Exports to U.S.	Percent Newsprint of Total
1910	1.2	104.2	1.2
1914	9.8	163.4	6.0
1920	46.8	464.0	10.0
1925	89.1	420.4	21.2
1930	115.3	395.7	29.1
1935	71.0	358.6	19.8
1940	120.6	443.0	27.2
1941	130.9	599.7	21.8
1942	132.4	885.5	15.0
1943	131.4	1,149.2	11.4
1944	135.2	1,301.3	10.4
1945	148.4	1,197.0	12.4
1946	225.6	887.9	25.4
1947	293.5	1,034.2	28.4
1948	342.8	1,501.0	22.8
1949	396.4	1,510.1	26.2
1950	465.3	2,021.0	23.0
1951	496.9	2,297.7	21.6
1952	534.4	2,307.0	23.2
1953	564.5	2,418.9	23.3
1954	558.6	2,317.2	24.1
1955	578.3	2,559.3	22.6
1956	615.9	2,818.7	21.9
1957	610.3	2,867.6	21.3
1958	590.2	2,828.6	20.9
1959	515.0	3,083.2	19.9
1960	631.2	2,932.2	21.5
1961	629.8	3,107.2	20.3
1962	633.0	3,608.4	17.5
1963	636.1	3,766.4	16.9
1964	689.4	4,271.0	16.1
1965	735.6	4,840.5	15.2
1966	823.7	6,027.7	13.7

For the period 1910 to 1925 inclusive figures relate to fiscal years.

Source: Dominion Bureau of Statistics.

Table 45. Value of Newsprint and Total Pulp and Paper Production

Figures for 1928-1948 do not include Newfoundland
Millions of Dollars

Year	Newsprint Production	Total Production	Newsprint Percent of Total
1928	144.1	233.1	61.8
1930	136.2	216.0	63.1
1935	91.8	159.3	57.6
1940	158.4	298.0	53.2
1941	158.9	334.7	47.5
1942	147.1	336.7	43.7
1943	153.0	344.4	44.4
1944	165.7	369.8	44.8
1945	189.0	398.8	47.4
1946	280.8	527.8	53.2
1947	355.5	707.0	50.3
1948	402.1	825.9	48.7
1949	468.0	836.1	56.0
1950	507.0	954.1	53.1
1951	564.4	1,237.9	45.6
1952	600.5	1,157.9	51.9
1953	633.4	1,179.7	53.7
1954	657.5	1,241.6	53.0
1955	688.3	1,326.9	51.9
1956	735.6	1,465.1	50.2
1957	729.0	1,419.3	51.5
1958	699.9	1,398.3	50.1
1959	730.4	1,502.3	48.6
1960	783.4	1,583.1	49.5
1961	809.6	1,634.6	49.5
1962	821.4	1,720.0	47.8
1963	811.3	1,790.6	45.3
1964	887.9	1,987.6	44.7
1965	927.8	2,104.4	44.0

Source: Dominion Bureau of Statistics.

Table 46. U.S. Prices and Price Indexes

Year	Canadian Newsprint U.S. Dollars	Newsprint Index 1926=100	U.S. Dollars in Canada
1915	41.78	59.7	1.0040
1920	112.60	160.9	1.1201
1925	76.80	109.7	1.0004
1930	62.00	88.6	1.0016
1935	40.00	57.1	1.0051
1940	50.00	71.4	1.1050
1941	50.00	71.4	1.1050
1942	50.00	71.4	1.1050
1943	54.66	78.1	1.1050
1944	58.00	82.9	1.1050
1945	60.25	86.1	1.1045
1946	72.25	103.2	1.0575
1947	88.50	126.4	1.0025
1948	97.67	139.5	1.0025
1949	100.00	142.9	1.0308
1950	101.00	144.3	1.0982
1951	111.00	158.6	1.0528
1952	121.00	172.9	.9789
1953	126.00	180.0	.9834
1954	126.00	180.0	.9732
1955	126.00	180.0	.9863
1956	130.00	185.7	.9841
1957	133.00	190.0	.9588
1958	134.00	191.0	.9706
1959	134.00	191.0	.9590
1960	134.00	191.0	.9697
1961	134.00	191.0	1.0132
1962	134.00	191.0	1.0689
1963	134.00	191.0	1.0785
1964	134.00	191.0	1.0786
1965	134.00	191.0	1.0780
1966	136.92	195.6	1.0773

Newsprint Prices: Annual Average, Delivered at New York.

Source Exchange Rates: Federal Reserve System; Bank of Canada.

Table 47. U.S. Newsprint Production

Tons	Capacity	Production	Shipments to:		Total
			U.S.A.	Overseas	
1915		1,239,000			
1920	1,548,000	1,511,968			1,502,574
1925	1,721,000	1,530,318	1,521,560	12,785	1,534,345
1930	1,687,000	1,282,372	1,262,721	5,344	1,268,065
1935	1,504,000	912,392	910,895	6,341	917,236
1940	1,081,000	1,013,437	998,378	14,556	1,012,934
1941	1,085,000	1,014,912	995,448	25,333	1,020,781
1942	1,126,000	952,616	932,931	17,670	950,601
1943	1,033,000	804,853	788,932	14,530	803,462
1944	1,033,000	719,802	708,815	14,622	723,437
1945	981,000	724,448	707,433	18,032	725,465
1946	839,000	770,890	753,631	8,381	762,012
1947	845,000	825,554	824,020	8,451	832,471
1948	850,000	867,494	857,540	9,309	866,849
1949	876,000	899,528	883,657	14,003	897,660
1950	992,000	1,014,703	1,002,125	15,151	1,017,276
1951	1,050,000	1,124,748	1,107,552	17,869	1,125,421
1952	1,165,000	1,146,864	1,075,540	67,166	1,142,706
1953	1,170,000	1,083,982	1,057,288	30,394	1,087,682
1954	1,280,000	1,211,156	1,120,590	92,388	1,212,978
1955	1,409,000	1,552,294	1,373,638	176,543	1,550,181
1956	1,625,000	1,717,243	1,582,742	132,628	1,715,370
1957	1,921,000	1,825,897	1,698,477	118,278	1,816,755
1958	2,100,000	1,757,796	1,675,508	85,126	1,760,634
1959	2,390,000	1,964,131	1,909,242	53,267	1,962,509
1960	2,399,000	2,038,422	1,953,681	77,355	2,031,036
1961	2,376,000	2,093,901	1,964,825	121,550	2,086,375
1962	2,471,000	2,153,579	2,085,881	76,143	2,162,024
1963	2,461,000	2,218,044	2,099,437	108,940	2,208,377
1964	2,469,000	2,261,200	2,169,723	103,665	2,273,388
1965	2,497,000	2,179,697	2,118,323	64,678	2,183,001
1966	2,647,000	2,407,750	2,339,045	66,360	2,405,405

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for export, such as tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports: in 1966, the Department showed exports of 99,038 tons versus 66,360 tons reported by the mills.

Source: Newsprint Service Bureau.

Table 49. Sources of U.S. Newsprint Supply

Tons	Canada	U.S.A.	Europe	Total
1915	329,000	1,176,000	4,000	1,509,000
1920	679,306	1,465,739	50,561	2,195,606
1925	1,315,404	1,507,580	133,021	2,956,005
1930	2,145,471	1,272,168	134,180	3,551,819
1935	2,122,099	910,895	197,085	3,230,079
1940	2,741,363	998,378	33,850	3,773,591
1941	2,987,235	995,448	2,865	3,985,548
1942	3,006,592	932,931	1,527	3,941,050
1943	2,680,790	788,932	0	3,469,722
1944	2,529,693	708,815	0	3,238,508
1945	2,665,947	707,433	0	3,373,380
1946	3,563,124	753,631	13,480	4,330,235
1947	3,897,300	824,020	128,936	4,850,256
1948	4,127,970	857,540	267,434	5,252,944
1949	4,380,250	883,657	254,749	5,518,656
1950	4,748,228	1,002,125	171,033	5,921,386
1951	4,783,549	1,107,552	206,319	6,097,420
1952	4,835,065	1,075,450	182,708	6,093,313
1953	4,861,372	1,057,288	164,097	6,082,757
1954	4,875,031	1,120,590	128,224	6,123,845
1955	5,070,211	1,373,638	145,522	6,589,371
1956	5,229,748	1,582,742	311,453	7,123,943
1957	5,054,729	1,698,477	154,921	6,908,127
1958	4,826,696	1,675,508	108,826	6,611,030
1959	5,117,766	1,909,242	124,150	7,151,158
1960	5,279,227	1,953,681	146,570	7,379,478
1961	5,226,673	1,964,825	154,652	7,346,150
1962	5,228,624	2,085,881	185,830	7,500,335
1963	5,179,634	2,099,437	188,986	7,468,057
1964	5,648,145	2,169,723	260,336	8,078,204
1965	6,093,458	2,118,323	254,526	8,466,307
1966	6,610,154	2,339,045	274,243	9,223,442

Source: All figures for 1913-32 and supply from Europe thereafter are compiled from U.S. Department of Commerce reports; from 1933 to date supplies from Canada and U.S. are compiled from reports to NAC and NSB respectively of mill shipments. Trade Association and government figures are not strictly comparable because of time lag between shipments and arrival dates and because of minor differences of newsprint definition.

Table 48. U.S. Newsprint Consumption and Stocks

Tons	Consumption			Consumers' Stocks*	
	ANPA	Percent	Total	Lbs. per Cap.	ANPA Total
1915			1,509,000	30.0	
1920			2,197,000	41.3	
1925	1,808,229	60.0	3,013,715	52.0	163,614 198,252
1930	2,735,428	76.0	3,599,247	58.5	256,472 305,830
1935	2,675,744	80.0	3,344,680	52.6	294,494 365,686
1940	2,855,952	76.5	3,731,331	56.5	356,472 465,733
1941	2,946,660	75.0	3,929,773	58.9	385,296 521,508
1942	2,834,940	74.3	3,815,532	56.6	479,349 645,492
1943	2,720,257	75.0	3,627,009	53.1	366,702 488,205
1944	2,351,096	72.5	3,242,891	46.9	342,280 483,822
1945	2,455,116	70.5	3,481,302	49.8	266,344 375,900
1946	3,136,276	73.0	4,296,268	60.8	292,806 409,867
1947	3,564,678	75.0	4,752,904	66.0	377,033 507,219
1948	4,009,829	78.0	5,140,806	70.1	458,145 619,357
1949	4,527,489	77.0	5,529,206	74.1	445,863 608,807
1950	4,541,760	76.5	5,936,941	78.3	424,960 593,252
1951	4,511,023	75.5	5,974,865	77.4	522,196 715,807
1952	4,551,238	76.0	5,988,471	76.3	611,909 820,649
1953	4,668,602	76.0	6,142,896	76.9	551,769 760,510
1954	4,683,698	76.0	6,162,761	75.9	516,363 721,594
1955	5,044,993	76.0	6,638,149	80.3	458,352 672,816
1956	5,208,761	75.5	6,899,020	82.1	635,756 897,739
1957	5,149,099	75.0	6,865,466	80.2	674,980 940,400
1958	4,949,986	74.5	6,644,276	76.3	651,098 907,154
1959	5,327,839	74.5	7,151,461	81.0	658,772 906,851
1960	5,532,154	74.5	7,425,709	82.2	628,092 860,620
1961	5,460,990	74.0	7,379,716	80.4	583,949 827,054
1962	5,577,325	74.5	7,486,342	80.3	603,501 841,047
1963	5,584,871	74.0	7,547,124	79.8	545,090 761,980
1964	6,031,281	75.0	8,041,706	83.7	584,551 798,478
1965	6,387,261	75.5	8,459,948	87.0	573,352 804,837
1966	6,898,362	76.0	9,076,792	92.2	681,404 951,487

* End of Each Year.

† U.S. total consumption is based on consumption reported by the ANPA group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total U.S. consumption is obtained by extending ANPA consumption by this percentage to 100. Total consumers' stocks at the beginning of each year plus supplies received less total consumption equals stocks at the end of the year.

ANPA: American Newspaper Publishers Association.

Source: Newsprint Association of Canada.

Table 50. Consumption by Larger Newspapers

CANADA	Tons	
	1966	1965
Calgary Herald	10,625	10,055
Edmonton Journal	17,015	15,578
Halifax Chronicle — Herald & Mail Star	9,500	8,500
Hamilton Spectator	16,152	15,788
London Free Press	15,785	16,015
Montreal Gazette	13,951	13,945
Montreal La Presse	32,688	32,657
Montreal Star	29,925	29,800
Ottawa Citizen	9,607	9,390
Quebec Le Soleil — L'Événement	15,817	15,125
Toronto Globe & Mail	28,665	28,056
Toronto Star	73,121	65,841
Toronto Telegram	39,225	36,209
Vancouver Sun & Province	46,341	44,161
Winnipeg Tribune	8,170	8,096
UNITED STATES		
Atlanta Journal & Constitution	95,183	87,683
Chicago American	51,345	47,300
Chicago Sun Times & Daily News	157,728	148,117
Chicago Tribune	240,220	227,925
Cleveland Plain Dealer	95,888	89,397
Detroit News	169,218	157,228
Los Angeles Times	333,361	310,741
Louisville Courier — Journal & Times	79,817	69,154
Miami Herald	107,714	95,464
Milwaukee Journal & Sentinel	118,261	111,977
New York News	320,818	284,154*
New York Times	339,858	272,993*
Philadelphia Inquirer	134,426	130,999
St. Louis Post — Dispatch	88,615	81,502
Washington Post	140,000	127,500

*Curtailed by strike.

Source: Newsprint Association of Canada. Figures supplied by the individual newspapers. Most of the consumption figures include newsprint used in weekend supplements and comics.

"E"—OTHER PAPER AND PAPERBOARD

Table 51.

Paperboard Production

	Container Board			Boxboard			Total
	Liners Tons	Container Chipboard Tons	Corrugating Board Tons	For Folding Cartons Tons	For Set-up Boxes Tons	Other Tons	
1944	139,912	6,669	80,493	114,005	52,893	144,082	538,054
1945	137,059	7,096	78,756	125,691	45,605	146,549	540,756
1946	167,786	6,480	90,347	138,370	46,556	166,500	616,039
1947	175,221	6,047	102,655	147,700	46,184	177,854	655,661
1948	184,524	6,858	128,697	154,745	49,225	183,371	707,420
1949	184,694	7,708	129,121	143,215	45,525	174,582	684,845
1950	214,234	6,533	144,892	157,690	47,625	199,761	770,735
1951	223,226	5,813	152,801	172,220	49,376	217,025	820,461
1952	219,113	2,344	132,068	155,564	43,281	190,898	743,268
1953	236,917	4,130	145,068	169,428	47,731	201,174	804,448
1954	243,764	3,465	131,678	174,945	45,552	199,115	798,519
1955	258,914	8,901	148,929	185,877	47,901	210,849	861,371
1956	330,290	8,968	162,688	215,758	47,900	212,345	977,949
1957	309,278	8,403	154,949	214,678	46,133	192,107	925,548
1958	318,286	7,510	173,143	236,559	61,319	182,732	979,549
1959	354,874	8,955	175,935	241,290	72,431	179,845	1,033,330
1960	375,563	9,665	198,221	246,437	65,065	164,926	1,059,877
1961	392,959	(a)	202,350	229,663	72,160	143,984	1,057,393
1962	440,845	(a)	224,417	263,922	79,371	159,734	1,168,289
1963	510,777	(a)	226,807	301,730	77,648	173,244	1,290,140
1964	521,758	(a)	240,405	332,658	92,359	228,707	1,415,887
1965	594,573	—	250,778	353,110	104,329	236,645	1,539,435
1966	684,364e	—	274,128e	368,656e	111,618e	234,749e	1,673,515e

a: Included with Corrugating Board.
e: Canadian Pulp and Paper Association estimate.
Source: Dominion Bureau of Statistics.

Table 52.

Production — Other Papers and Boards

	Wrapping Tons	Book and Writing (a) Tons	Tissue and Sanitary Tons	Building Papers Tons	Building Boards (b) Tons	Wet Machine Boards (c) Tons	Special Industrial Papers Tons
1944	156,721	155,498	46,532	50,879	50,294	—	6,615
1945	162,175	162,198	50,418	58,199	54,261	—	7,536
1946	175,369	189,318	56,717	71,081	67,402	—	9,034
1947	188,742	210,762	67,506	79,858	88,612	—	9,677
1948	207,128	231,608	69,686	88,454	109,912	—	9,102
1949	195,585	199,317	68,340	83,471	105,061	7,117	9,027
1950	222,840	214,097	76,742	92,414	97,223	8,936	10,060
1951	257,332	253,081	89,583	91,527	131,295	8,737	12,140
1952	222,529	224,683	79,974	81,666	122,986	8,328	11,336
1953	238,111	246,513	86,523	90,906	136,748	7,759	10,047
1954	250,408	269,353	94,643	85,390	134,365	7,312	8,722
1955	263,915	301,352	106,752	96,494	157,718	8,352	7,940
1956	288,146	341,580	119,197	92,399	186,813	8,325	7,266
1957	277,208	335,037	122,538	81,949	180,236	8,942	6,780
1958	292,727	344,622	128,465	90,125	202,375	6,726	5,774
1959	330,189	381,779	139,532	84,933	215,080	7,282	6,622
1960	321,166	403,668	148,635	76,899	210,328	7,349	6,030
1961	326,974	419,612	156,919	74,146	221,216e	8,876	6,598
1962	335,035	434,666	168,906	88,817	209,612e	9,658	7,743
1963	340,604	464,687	201,094	89,858	218,550e	(d)	15,575
1964	346,077	495,213	195,625	94,423	291,480	(d)	16,166
1965	365,518	534,141	193,194	87,933	296,602	(d)	19,670
1966	423,564e	586,725e	201,946e	92,536e	301,125e	(d)	19,675e

(a) Groundwood Printing and Specialty Papers (containing more than 50% groundwood); Book Paper (including printing papers with 50% or less groundwood); Fine Papers; and Miscellaneous Fine Papers.
(b) Reported in Pulp and Paper industry only. Wood pulp board used in paper-converting plants to produce laminated building boards is reported by pulp and paper mills as "Other Boxboard."
(c) Prior to 1949 some producers of wet machine board were classed in another industry, and small quantities reported in the pulp and paper industry were added with "Other Boxboards" until 1943 and with "Special Industrial Papers" since 1944.
(d) Included with Special Industrial Papers.
e: Canadian Pulp and Paper Association estimate.
n.a.: Not available.
Source: Dominion Bureau of Statistics.

Table 53.

Production — 1920 - 1943

	Paperboard Tons	Wrapping Tons	Book and Writing Tons	Tissue Tons	All Other Tons
1920	158,041	77,292	73,196	3,607	27,119
1925	144,646	91,417	74,724	7,200	30,195
1930	233,217	78,320	69,468	11,245	36,585
1935	314,849	82,517	70,350	18,107	29,629
1940	500,094	139,716	102,696	34,054	39,053
1941	649,840	162,581	117,444	35,725	39,453
1942	609,175	165,991	121,419	38,322	39,680
1943	568,101	145,545	122,174	43,247	40,835

NOTE "A": A new classification, adopted in 1944 by the Dominion Bureau of Statistics, differs from the one given above. However, for purposes of general comparison with the years 1920-43, some of the figures given in Tables 51 and 52 may be utilized. "Paperboard," "Building Boards," and "Wet Machine Boards" would approximate the "Paperboard" group given above, while "Special Industrial Papers" and "Building Papers" would approximate the "All Other" group. The "Book and Writing," and "Wrapping" groups are virtually identical in both classifications, while "Tissue and Sanitary" is nearly comparable to the "Tissue" classification given above.

NOTE "B": Some of these figures will differ somewhat from those issued by the industry itself, as DBS classifications differ at times from those of the Canadian Pulp and Paper Association.
Source: Dominion Bureau of Statistics

Table 54.

Exports of Paper (Except Newsprint) — Tonnage and Value, 1960-1966

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and Tables 55, 56 and 57.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in Tables 51, 52 and 53.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basic rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the following tables, under the heading "Paper Products".

A new Export Commodity Classification was adopted by the Dominion Bureau of Statistics at the beginning of 1961. Accurate comparison between statistics for 1961 and those of earlier years is not always possible for paper and paper products, especially for individual commodities, but the group totals are generally comparable.

Paperboard											
Tons	Liner Board	Container Board n.o.p.	Solid Bl. & Folding Boxboard, n.o.p.	Set-up Boxboard, n.o.p.	Wet Machine Board	Pulpboard for Building Board	Paperboard n.o.p.	TOTAL PAPER- BOARD	Coated Paper, Except Machine Coated	Roofing & Building Paper	Special Industrial Paper
1960	—	84,955	—	—	1,660	345	19,129	106,089	—	1,874	—
1961	—	93,634	6,022	4,410	1,441	20	686	106,213	921	2,760	40
1962	—	109,919	5,815	3,497	2,025	19	9,794	131,069	1,009	4,522	385
1963	—	146,771	5,299	3,930	1,364	11	12,828	170,203	1,286	6,959	2,326
1964	—	151,005	5,649	6,780	1,319	—	14,567	179,320	1,276	12,863	1,670
1965	123,130	46,580	6,566	4,917	1,031	32	4,922	187,178	1,439	15,232	2,466
1966	182,468	57,715	7,114	4,354	3,314	—	2,581	257,546	1,869	19,040	771
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1960	—	9,302	—	—	326	40	2,515	12,184	—	222	—
1961	—	10,407	1,054	608	302	3	85	12,461	384	297	7
1962	—	12,401	980	499	477	2	1,032	15,392	436	462	93
1963	—	16,778	925	561	351	1	1,357	19,972	507	694	444
1964	—	17,025	998	498	365	—	1,483	20,819	582	1,072	382
1965	14,401	4,319	1,306	750	294	4	521	21,594	679	1,475	454
1966	22,033	5,369	1,327	683	1,143	—	320	30,875	781	1,686	185

Book & Writing							Building Board				
Tons	Book, Printing & Litho	Ground- wood Printing n.o.p.	Book & Litho, Uncoated	Book, n.o.p.	Writing & Repro- duction	Fine Paper, n.o.p.	TOTAL BOOK & WRITING	Rigid Insulating Board	Hardboard	Building Board, n.o.p.	TOTAL BUILDING BOARD
1960	52,370	—	—	—	8,827	—	61,197	12,233	11,255	1,498	24,986
1961	—	33,492	4,357	8,481	16,422	924	63,676	11,389	12,332	154	23,875
1962	—	40,297	—	7,535	18,562	3,575	69,969	11,495	11,975	161	23,631
1963	—	48,829	—	4,855	21,568	3,224	78,476	14,745	17,443	979	33,167
1964	—	68,635	—	4,938	29,405	4,525	107,503	19,481	20,085	2,502	42,068
1965	—	86,196	—	12,872	27,713	2,854	129,635	14,710	41,500	1,721	57,931
1966	—	129,694	—	11,297	28,313	2,114	171,418	12,546	24,943	1,571	39,059
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1960	9,696	—	—	—	2,474	—	12,170	1,365	736	158	2,259
1961	—	5,605	1,026	1,662	4,312	275	12,880	1,309	859	23	2,191
1962	—	6,620	—	1,605	4,968	820	14,013	1,379	1,015	23	2,417
1963	—	7,717	—	982	6,069	810	15,578	1,677	1,621	98	3,397
1964	—	10,934	—	1,057	7,920	1,162	21,072	2,267	1,851	353	4,472
1965	—	13,922	—	2,276	7,791	761	24,749	1,775	4,034	199	6,007
1966	—	21,738	—	2,509	8,115	570	32,932	1,517	2,690	229	4,436

Wrapping											
Tons	Coated	Bleached Sulphite & Sulphate	Unbleached Sulphite & Sulphate	Wrapping n.o.p.	TOTAL WRAP- PING	Tissue	Toilet	Tissue Except Sanitary	Sanitary Paper	Hanging, Not Printed	Waste Paper n.o.p.
1960	205	2,018	29,588	2,390	34,201	468	4,480	—	—	—	41,702
1961	—	2,187	40,163	313	42,663	—	—	1,137	5,717	3,170	35,852
1962	—	2,649	32,329	674	35,652	—	—	201	12,938	3,526	45,196
1963	—	7,244	22,469	1,166	30,879	—	—	198	11,466	3,813	45,911
1964	—	9,065	19,985	3,326	32,376	—	—	195	14,621	2,840	47,868
1965	—	8,841	15,908	3,932	28,681	—	—	210	11,982	1,007	60,898
1966	—	15,419	26,824	4,268	46,510	—	—	106	13,962	26	88,603
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1960	87	475	4,509	337	5,408	141	971	—	—	—	1,609
1961	—	451	5,891	123	6,464	—	—	268	1,228	444	1,326
1962	—	598	4,944	169	5,712	—	—	42	2,962	545	1,641
1963	—	1,491	3,516	305	5,312	—	—	57	2,540	569	1,885
1964	—	1,995	3,096	618	5,708	—	—	50	3,410	413	2,186
1965	—	2,100	2,506	742	5,348	—	—	63	2,757	137	2,962
1966	—	3,646	3,792	744	8,182	—	—	27	3,166	4	4,614

Total Exports of Paper (except Newsprint) 1960: 274,997 tons, \$34,964,000; 1961: 297,024 tons, \$37,951,000; 1962: 328,098 tons, \$43,714,000; 1963: 384,594 tons, \$50,954,000; 1964: 442,600 tons, \$60,166,000; 1965: 496,659 tons, \$66,246,000; 1966: 638,910 tons, \$86,888,000.

NOTE: See note B of Table 53.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 55.

Exports of Paper (Except Newsprint) — Tonnage and Value, 1951-1959

Tons	Wrapping			Book	Bond & Writing	Paper-board, n.o.p.	Roofing & Building Paper	Bldg. & Insul'g Board	Waste Paper, n.o.p.	Pulpboard for Wallboards	Tissue Paper	Toilet Paper	TOTALS
	Coated	Kraft, n.o.p.	n.o.p.										
1951	1,266	12,366	3,019	27,438	7,347	69,259	6,662	21,738	27,081	23,068	418	3,487	203,149
1952	944	10,622	2,369	28,772	10,130	51,605	1,755	19,328	21,693	20,933	924	2,699	171,774
1953	149	10,227	788	28,401	7,077	34,104	3,811	18,752	30,890	17,812	1,279	759	154,049
1954	43	10,788	2,874	26,739	8,904	25,571	1,534	17,584	24,568	15,998	1,035	2,009	137,647
1955	119	14,218	3,940	33,195	8,441	40,442	722	47,460	42,356	14,307	1,031	4,109	210,340
1956	49	13,457	1,805	38,239	6,392	67,956	445	38,566	36,072	11,087	472	3,725	218,265
1957	346	18,121	1,799	37,346	6,033	79,617	502	39,254	43,085	7,771	216	4,161	238,251
1958	149	29,965	2,295	41,933	5,996	71,976	685	26,523	38,428	9,751	131	2,368	230,200
1959	1,346	37,473	3,865	51,277	7,617	74,012	1,014	36,977	39,941	4,891	424	3,069	261,909
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1951	486	2,666	577	5,284	2,568	9,411	577	2,327	2,155	2,324	151	805	29,330
1952	308	2,232	637	5,343	3,771	6,991	152	2,097	936	2,165	260	610	25,501
1953	57	1,670	150	4,873	1,719	3,426	247	1,764	998	1,827	294	160	17,185
1954	23	1,843	468	4,540	2,288	3,114	100	1,477	929	1,640	280	373	17,075
1955	72	2,479	655	5,917	2,350	4,971	51	4,280	1,717	1,478	286	764	25,019
1956	27	2,394	299	7,137	1,999	9,059	41	3,737	1,569	1,224	136	803	28,426
1957	133	3,040	288	7,227	1,900	10,780	41	3,963	1,700	846	46	936	30,902
1958	61	4,854	303	7,770	1,838	9,291	58	2,626	1,602	1,042	30	476	29,951
1959	359	6,049	691	9,392	2,273	9,169	83	3,610	1,666	542	95	632	34,561

NOTE: See note B of Table 53.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 56.

Exports of Paper (Except Newsprint) by Areas

Year	United States		United Kingdom		Other Countries		All Countries	
	Tons	Value \$'000	Tons	Value \$'000	Tons	Value \$'000	Tons	Value \$'000
1955	148,378	14,625	31,011	3,972	30,951	6,423	210,340	25,019
1956	129,330	13,926	63,039	8,811	25,896	5,689	218,265	28,426
1957	130,442	15,948	78,635	10,977	29,174	5,978	238,251	30,902
1958	118,098	13,461	80,111	10,683	31,991	5,807	230,200	29,951
1959	133,289	15,650	96,324	12,848	32,293	6,062	261,906	34,561
1960	110,812	12,559	131,229	16,036	32,956	6,369	274,997	34,964
1961	107,154	12,074	128,512	16,608	50,358	9,269	286,024	37,951
1962	129,753	13,887	155,389	21,404	42,956	8,423	328,098	43,714
1963	149,708	16,566	185,181	25,564	49,735	8,824	384,594	50,954
1964	172,090	19,640	191,495	27,898	79,015	12,628	442,600	60,166
1965	224,334	26,726	189,434	25,595	82,891	13,925	496,659	66,250
1966	275,234	34,931	241,007	32,952	122,669	18,995	638,910	86,888

Source: Dominion Bureau of Statistics.

Table 57.

Export of Paper Products — Value, 1961-1966

	Paper Bags & Multi-wall Sacks \$'000	Paper Containers & parts n.o.p. \$'000	Hangings or Wall Paper		Packaged Toilet Paper		Note-books, Scribblers & Pads \$'000	Stationery Paper Office Supplies n.o.p. \$'000	Converted Paper n.o.p.		Paper End Products n.o.p. \$'000	TOTALS \$'000
			Tons	\$'000	Tons	\$'000			Tons	\$'000		
1961	543	703	n.a.	1,378	1,551	426	147	308	752	242	141	3,888
1962	499	1,110	n.a.	1,645	2,326	644	161	369	408	416	141	4,985
1963	484	1,040	n.a.	1,665	3,144	955	224	450	1,701	1,551	172	6,541
1964	579	1,350	n.a.	1,805	3,343	984	253	531	4,730	3,394	135	9,031
1965	679	1,320	n.a.	1,832	2,285	631	199	767	3,886	3,343	145	8,916
1966	671	1,191	2,348	2,330	2,163	680	188	808	2,806	3,005	179	9,052

NOTE: See note B of Table 53.

n.a.: not available.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 58.

Exports of Paper Products — Value, 1951-1960

	Bags, Boxes & Cartons \$'000	Hanging or Wall \$'000	Hanging, not Printed \$'000	Writing Paper, n.o.p. \$'000	Other Paper Products \$'000	TOTAL \$'000
1951	1,835	1,081	12	193	1,159	4,280
1952	974	1,006	48	196	669	2,893
1953	552	731	171	90	539	2,082
1954	419	866	287	91	511	2,173
1955	375	554	390	86	794	2,199
1956	485	943	749	67	971	3,214
1957	497	925	434	86	1,776	3,718
1958	616	1,150	512	121	1,109	3,508
1959	503	1,398	458	37	1,139	3,535
1960	600	1,774	557	85	1,133	4,148

Source: Dominion Bureau of Statistics.

Table 59.

Imports of Paper and Paperboard

Year	Fine Papers Tons	Tissue and Sanitary Papers Tons	Wrapping Papers Tons	Specialty Papers Tons	Building Papers and Boards Tons	Other Paper- boards Tons
1935	6,485	1,601	2,884	2,772	1,781	4,528
1940	7,309	6,863	1,234	2,185	3,830	10,938
1941	6,153	8,047	702	2,089	4,935	12,488
1942	6,262	7,903	1,488	2,202	6,815	12,717
1943	5,821	8,242	1,714	1,690	6,515	10,659
1944	6,004	8,812	1,386	2,026	6,033	11,653
1945	5,727	7,566	1,762	2,269	12,167	11,626
1946	10,270	5,724	3,201	3,214	11,776	12,852
1947	11,724	6,180	3,705	3,505	18,169	13,462
1948	8,100	4,337	1,033	1,880	4,460	15,241
1949	8,298	8,416	768	1,699	18,768	17,409
1950	8,648	6,334	1,223	2,332	9,999	17,855
1951	10,844	4,408	2,416	3,464	14,318	34,570
1952	11,462	4,153	1,263	2,279	14,604	32,364
1953	11,502	6,421	1,297	3,917	27,681	42,188
1954	14,882	7,370	3,634	4,304	32,084	52,127
1955	17,186	8,418	3,535	4,750	33,008	67,061
1956	17,578	9,115	4,147	5,585	41,722	77,854
1957	17,349	11,041	6,292	5,206	38,220	79,402
1958	20,491	11,892	8,542	5,206	36,553	84,379
1959	21,319	11,874	5,456	5,655	43,042	85,805
1960	20,295	10,538	4,452	5,043	42,846	80,679
1961	22,181	8,687	4,660	5,233	37,020	107,887
1962	22,242	8,173	2,547	5,714	33,069	98,292
1963	22,961	7,388	3,813	6,110	27,741	91,223
1964	20,791	7,067	11,501	8,373	27,865	84,216
1965	22,821	9,420	7,384	8,306	29,942	89,656
1966	25,217	6,894	5,388	7,559	31,601	83,579

Note: This table covers all paper and paperboard imports for which tonnage is reported in classifications used prior to 1st January 1964 as well as in the present Import Classification which took effect as of that date. Commodities now classed as "End products" and for which tonnage is no longer available (such as paper boxes and bags and carbon paper) having been eliminated throughout, all series are fully comparable.

Source: Dominion Bureau of Statistics.

Table 60.

Imports of Paper and Paper Goods

	Paper and Paper Goods (a) \$'000
1935	5,828
1940	8,858
1941	9,341
1942	10,675
1943	10,702
1944	12,157
1945	13,376
1946	18,834
1947	23,027
1948	17,213
1949	20,207
1950	23,434
1951	34,831
1952	29,921
1953	39,208
1954	43,558
1955	52,690
1956	62,217
1957	62,249
1958	65,735
1959	68,273
1960	68,910
1961	75,717
1962	80,379
1963	76,644
1964a	79,255
1965a	87,551
1966a	97,001

a: Comparable items of new (1964) classification.

Source: Dominion Bureau of Statistics.

Table 61.

Other Paper and Paperboard
Annual Capacity

January 1st,	Paper- board	Wrapping Paper	Book and Writing Paper	Tissue and Sanitary Paper
		Thousands of tons		
1952	821	260	264	92
1953	836	265	268	98
1954	852	258	272	109
1955	920	293	282	120
1956	942	307	349	121
1957	1,026	318	357	133
1958	1,085	371	386	141
1959	1,116	359	392	147
1960	1,162	357	429	161
1961	1,220	377	459	167
1962	1,241	371	485	174
1963	1,332	412	492	194
1964	1,372	397	578	198
1965	1,399	381	609	221
1966	1,662	404	745	255
1967	1,715	533	763	265

Source: Canadian Pulp and Paper Association estimates.

"F"—NATIONAL SIGNIFICANCE

Table 62.
Pulp and Paper Production and the National Income

	Gross Production of Industry	Gross National Product †(a)
	<i>Millions of Dollars</i>	
1926	\$ 215	\$ 5,152
1930	216	5,728
1935	159	4,315
1940	298	6,743
1941	335	8,328
1942	337	10,327
1943	344	11,088
1944	370	11,850
1945	399	11,835
1946	528	11,850
1947	707	13,165
1948	826	15,120
1949	836	16,343
1950	954	18,006
1951	1,238	21,170
1952	1,158	23,995
1953	1,180	25,020
1954	1,242	24,871
1955	1,327	27,132
1956	1,465	30,585
1957b	1,416	31,909
1958b	1,398	32,894
1959b	1,502	34,915
1960b	1,583	36,287
1961b	1,633	37,471
1962b	1,716	40,575
1963b	1,793	43,424
1964b	1,984	47,403
1965b	2,104	51,996
1966b	2,306e	57,781p

† Includes Newfoundland since 1949. In 1948, the last year before accession, Newfoundland's Gross National Product was about \$175 million.

a: The "gross national product" is the market value of all goods and services produced in Canada.

b: All principal statistics of manufactures (i.e. number of establishments, number of employees, total salaries and wages paid, cost of fuel, electricity and materials used, selling value of factory shipments and value added by manufacture or net value) shown in this publication for the years 1957 to 1960 have been revised by the Dominion Bureau of Statistics on the basis of the new Standard Industrial Classification adopted as of 1st January 1960 and of the new Establishment (reporting unit) Concept adopted as of 1st January 1961. Because of these changes, principal statistics for years prior to 1957 are not fully comparable with those for the years that follow.

c: Canadian Pulp and Paper Association estimate.

p: Preliminary.

Source: Dominion Bureau of Statistics.

Table 64. Capital Expenditures

	Capital Construction	Capital Machinery and Equipment	Total Expenditures
	<i>Millions of Dollars</i>		
1948	25.7	53.6	79.3
1949	24.2	47.6	71.8
1950	17.9	50.7	68.6
1951	35.1	73.8	108.9
1952	29.0	86.6	115.6
1953	18.5	73.4	91.9
1954	13.8	55.2	69.0
1955	26.9	91.4	118.3
1956	79.4	160.2	239.6
1957	52.1	182.3	234.4
1958	18.1	88.7	106.8
1959	21.7	88.5	110.2
1960	27.8	113.5	141.3
1961	33.1	105.3	138.4
1962	34.5	113.3	147.8
1963	36.4	145.2	181.6
1964	64.7	229.0	293.7
1965	102.2	281.6	383.8
1966a	125.7	387.7	514.4
1967a	81.0	315.3	396.3

a: 1948-1965, Actual Expenditures; 1966, Preliminary Actual; 1967, Intentions.

Source: Dominion Bureau of Statistics, Business Finance Division.

Table 63.
Pulp and Paper Exports and Canadian Trade

	Pulp & Paper Exports \$'000	Total Domestic Exports of Canada \$'000	Pulp & paper exports to total exports — %
1919	97,168	1,253,958	7.86
1920	163,128	1,268,015	12.86
1925	154,556	1,239,554	12.47
1930	177,590	863,684	20.56
1935	121,667	724,977	16.78
1940	231,810	1,178,954	19.66
1941	262,082	1,621,003	16.17
1942	253,105	2,363,773	10.71
1943	260,838	2,971,475	8.78
1944	278,853	3,439,953	8.11
1945	309,067	3,218,330	9.60
1946	401,458	2,312,215	17.36
1947	550,873	2,774,902	19.85
1948	628,246	3,075,438	20.43
1949	630,544	2,998,356	21.03
1950	713,870	3,118,387	22.89
1951	939,239	3,914,460	23.99
1952	914,000	4,301,081	21.25
1953	887,752	4,117,406	21.56
1954	927,356	3,881,272	23.89
1955	991,543	4,281,784	23.16
1956	1,045,828	4,789,746	21.83
1957	1,043,559	4,839,094	21.56
1958	1,010,147	4,823,347	20.91
1959	1,073,485	5,060,710	21.21
1960	1,123,824	5,255,575	21.38
1961	1,151,558	5,754,986	20.00
1962	1,174,145	6,178,523	19.00
1963	1,226,130	6,798,538	18.04
1964	1,368,731	8,094,360	16.91
1965	1,442,097	8,525,078	16.92
1966	1,588,106	10,070,766	15.77

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports. Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

Source: Dominion Bureau of Statistics.

Table 65. Growth of the Industry

	Pulp and Paper Mills (a)	Total Employees (b)	Total Production \$'000
1871	21	760	1,072
1881	41	1,588	2,510
1891	58	2,817	3,633
1901	53	6,236	8,628
1911	72	9,766	23,226
1921	100	24,619	151,003
1931	103	26,669	174,734
1941	106	37,154	334,726
1945	109	39,996	398,805
1947	115	49,946	706,972
1949	123	52,050	836,148
1950	123	52,343	954,138
1951	126	57,291	1,237,897
1952	128	57,803	1,157,888
1953	127	58,194	1,179,665
1954	125	60,837	1,241,665
1955	125	62,205	1,326,938
1956	126	65,985	1,465,058
1957c	127	66,067	1,415,821
1958c	127	64,199	1,398,349
1959c	126	65,162	1,502,312
1960c	126	65,772	1,583,107
1961c	125	65,799	1,634,606
1962c	125	64,885	1,716,300
1963c	126	65,049	1,793,231
1964c	131	67,729	1,984,114
1965c	132	69,897	2,104,425
1966ce	136	73,678	2,306,000

a: Number of mills operated during year.

b: Includes products other than pulp or paper.

c: See footnote b, Table 62.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 66. Principal Canadian Exports

	1966 \$'000	1965 \$'000
Wheat	1,061,024	840,175
Newsprint	968,224	869,586
Wood Pulp	520,068	493,501
Lumber	478,054	489,934
Passenger automobiles and chassis	429,624	148,643
Aluminum, including alloys	372,275	360,965
Iron ores and concentrates	369,009	360,819
Crude petroleum	321,681	279,956
Copper and alloys	266,067	194,850
Motor vehicle parts, except engines	252,858	128,444
Nickel and alloys	212,433	207,864
Nickel in ores, concentrates and scrap	186,725	189,336
Asbestos, unmanufactured	182,484	158,657
Motor, vehicles, other than passenger	173,257	34,530
Fertilizers and fertilizer materials	139,560	111,831
Motor vehicle engines and parts	137,857	44,358
Copper in ores, concentrates and scrap	130,898	77,831
Whisky	127,508	116,983
Aircraft parts, except engines	118,090	53,250
Natural gas	108,750	104,280
Communication and related equipment	100,459	70,769
Combine reaper-threshers and parts	88,235	85,657
Wheat flour	82,836	66,305
Zinc in ores, concentrates and scrap	77,745	69,849
Plate sheet and strip, of steel	76,956	78,140
Synthetic rubber and plastics materials	76,733	87,885
Aircraft engines and parts	72,658	48,521
Fish fillets and blocks, fresh or frozen	69,071	65,002
Zinc, including alloys	67,834	71,588
Navigation equipment and parts	63,290	49,922
Primary iron and steel	61,271	65,906
Flaxseed	60,816	51,658

Source: Dominion Bureau of Statistics.

Table 67. Exports of Canadian Products to the United States

	1966 \$'000	%	1965 \$'000	%
Live animals	68,951	1.14	72,008	1.48
Food, feed, beverages and tobacco	429,366	7.12	408,917	8.45
Crude materials, inedible	1,122,691	18.63	1,012,093	20.91
Pulpwood & pulpwood chips	26,467	.44	23,141	.48
Mutilated newsprint	2,269	.04	2,266	.04
Waste paper, n.o.p.	4,559	.08	2,891	.06
Fabricated materials, inedible	2,760,777	45.80	2,481,658	51.27
Wood pulp	390,760	6.48	371,428	7.67
Newsprint	823,664	13.66	735,611	15.20
Paperboard & building board	4,972	.08	6,669	.14
All other paper	25,410	.42	19,470	.40
End products, inedible	1,625,975	26.98	847,472	17.51
Paper products	3,048	.05	893	.02
Special transactions — Trade	19,962	.33	18,307	.38
Total exports	6,027,722	100.00	4,840,456	100.00
Pulp, Paper, Paper Products and Pulpwood(a)	1,281,149	21.25	1,162,368	24.01

(a) Details for 1966 are given in Table 11 according to the Export Classification in effect prior to 1961.

Source: Dominion Bureau of Statistics.

Table 68. Canadian Consumption of Paper and Paperboard

	Pounds per capita									
	News- print	Paper- board	Wrapping Paper	Fine Paper(a)	Tissue Paper	Sanitary Paper	Building Boards	Building Papers	Other Paper & Boards	Total
1930	40.0	46.5	14.1	19.1	1.3	1.2	2.5	5.2	2.0	131.8
1935	43.1	43.5	13.9	16.8	.8	2.6	3.9	3.7	1.8	130.1
1940	26.5	57.8	17.8	22.5	1.4	5.6	11.5	4.6	1.6	149.3
1941	28.9	66.0	22.4	25.1	1.5	5.9	15.2	4.2	1.2	170.5
1942	29.0	70.1	23.1	27.1	1.6	6.3	17.4	5.9	1.4	181.9
1943	23.7	64.0	21.2	26.2	1.4	7.2	19.6	5.8	1.4	170.4
1944	30.4	77.3	22.3	22.5	1.6	7.1	6.8	8.5	1.2	177.7
1945	39.8	77.7	22.5	23.7	2.2	6.9	6.8	10.4	1.3	191.3
1946	42.0	88.5	25.6	27.4	3.2	6.6	9.8	12.2	1.8	217.2
1947	35.4	92.4	27.5	29.1	2.1	8.9	13.4	12.8	1.8	223.5
1948	50.3	94.8	29.1	27.9	1.8	8.7	15.8	13.1	1.7	243.3
1949	51.7	93.6	27.2	27.2	1.9	8.9	19.5	12.3	2.7	245.0
1950	47.0	105.2	31.3	29.7	2.1	9.7	15.1	13.3	3.4	256.7
1951	53.2	112.5	34.8	32.2	2.2	10.7	16.9	12.4	3.6	278.6
1952	53.9	100.3	29.1	27.1	1.6	9.5	16.0	11.7	3.0	252.2
1953	52.1	112.1	31.1	29.2	1.7	10.6	18.4	12.4	3.1	270.6
1954	56.9	107.7	31.5	30.4	1.8	11.2	18.3	11.6	2.8	272.2
1955	49.1	112.2	31.8	31.0	2.4	11.7	17.0	12.9	2.9	271.0
1956	61.8	121.6	34.5	34.3	2.7	12.9	22.5	12.1	2.9	305.3
1957	59.0	112.7	31.8	33.1	2.5	13.1	20.5	10.4	2.7	285.7
1958	57.1	119.2	31.6	32.9	2.5	13.7	23.7	11.0	2.3	293.9
1959	50.6	121.0	33.6	35.3	2.9	14.1	24.0	10.0	2.4	293.8
1960	53.1	117.2	32.8	34.9	2.5	14.0	24.3	8.6	2.2	289.8
1961	57.1	115.6	31.8	35.2	2.3	15.2	24.4	8.2	2.4	292.1
1962	55.8	122.5	32.1	35.9	2.5	15.4	22.4	9.5	2.7	298.8
1963	55.9	126.5	33.6	37.6	2.5	18.2	21.9	9.1	2.5	307.8
1964	56.5	147.5	34.5	40.8	2.7	17.2	28.3	8.8	1.7	328.9
1965	57.4	147.7	35.7	42.8	2.7	16.9	26.9	7.8	2.1	340.0
1966e	65.8	147.2	39.2	46.7	2.7	19.2	28.6	7.8	2.3	359.5

NOTE: These figures do not include tonnages imported as converted paper products, such as books, magazines, advertising matter, packages, etc.

a: Excluding coated paper.

e: Estimated by Canadian Pulp and Paper Association.

Sources: Dominion Bureau of Statistics, Newsprint Association of Canada, and Canadian Pulp and Paper Association.

Table 69.

Principal Statistics by Provinces 1965

Provinces	Mills No.	Employees (a) No.	Salaries and Wages (a) \$'000	Cost of Fuel and Electricity \$'000	Cost of Materials Used \$'000	Selling Value of Factory Shipments \$'000	Value Added by Manufacture \$'000
Newfoundland	2	2,970	19,394	5,923	30,819	74,115	37,680
Nova Scotia	4	1,682	8,790	3,231	18,259	40,304	18,477
New Brunswick	10	4,671	26,917	13,684	72,735	141,082	55,094
Quebec	57	27,455	163,735	60,525	336,644	775,929	381,112
Ontario	37	21,038	124,087	39,490	249,045	574,647	285,844
Manitoba, Saskatchewan and Alberta	7	1,254	7,150	3,312	21,443	52,041	27,499
British Columbia	15	10,827	73,960	25,073	195,820	446,307	227,826
	132	69,897	423,732	151,237	924,406	2,104,425	1,033,532

(a) Woods workers not included.

Source: Dominion Bureau of Statistics.

Table 70.

Ten Leading Canadian Manufacturing Industries 1964*

	Selling Value of Factory Shipments '000 \$ Rank(a)	Value Added by Manufacture '000 \$ Rank(b)	Salaries and Wages '000 \$ Rank(b)	Employment No. Rank(c)
Pulp and paper mills	1,984,114 1	1,002,787 1	394,136 1	67,729 1
Motor vehicle manufacturers	1,678,817 2	491,775 3	234,551 3	36,026 5
Petroleum refining	1,371,340 3	264,204 8	63,872 10	9,547 10
Slaughtering and meat packing	1,198,417 4	219,769 10	129,358 9	26,316 9
Iron and steel mills	1,108,152 5	561,049 2	253,039 2	41,505 3
Dairy factories	939,241 6	234,928 9	131,065 8	31,756 6
Sawmills and planing mills	845,669 7	371,911 4	209,195 4	50,328 2
Smelting and refining	718,254 8	350,699 6	174,450 6	30,153 7
Miscellaneous machinery and equipment manufacturers	668,205 9	353,196 5	204,795 5	39,396 4
Motor vehicle parts and accessories manufacturers	627,966 10	281,677 7	168,183 7	29,442 8

* Latest available.

a: Rank in Canadian Manufacturing Industries as a whole.

b: Rank among ten leading industries listed.

c: Covers only mill workers; the inclusion of the men permanently employed in the woods places pulp and paper further ahead.

Source: Dominion Bureau of Statistics.

Table 71.

Growth Rates of the Pulp and Paper Industry,
the Total Economy and Selected Groups of Industries

	Real Do- mestic Product	Total Goods	Total Manu- facturing	Pulp and Paper	Food and Bever- ages	Textiles	Iron and Steel Products	Transpor- tation Equip- ment	Chemicals & Allied Products	Electrical Apparatus & Supplies	Non-fer- rous Metal Products	Con- struc- tion	Total Services
1949 weights	100.000	53.080	27.340	2.108	3.814	1.623	4.026	2.651	1.359	1.418	1.601	6.379	46.920
1935	49.7	49.2	39.0	43.6	44.5	49.7	29.2	34.2	31.4	22.9	40.1	33.5	50.2
1936	52.4	51.9	43.0	47.4	49.8	55.5	33.8	35.5	33.7	25.0	46.7	37.5	52.9
1937	56.7	58.1	49.2	54.0	53.1	59.8	42.9	43.4	39.3	32.5	54.4	44.7	55.5
1938	56.5	58.0	45.3	41.2	53.1	48.1	36.6	38.1	37.9	28.0	55.8	42.2	55.2
1939	60.2	63.3	48.7	47.6	56.3	59.5	39.1	37.7	40.7	28.4	58.4	43.4	57.3
1940	69.2	72.5	60.4	58.1	62.4	81.1	58.9	61.1	49.8	41.9	70.5	49.1	66.2
1941	80.6	83.7	78.7	63.5	72.3	91.7	86.4	106.1	77.2	61.8	98.9	63.6	77.9
1942	95.0	102.1	96.1	62.1	77.6	102.0	114.7	157.1	126.5	74.9	130.4	67.9	88.5
1943	99.0	99.0	104.0	59.5	80.8	93.8	131.6	198.4	135.1	85.0	145.6	65.6	99.2
1944	103.0	101.4	106.1	63.1	89.5	87.9	118.4	235.7	142.8	85.5	130.9	53.5	104.7
1945	97.0	89.5	92.9	67.7	91.7	87.5	96.3	157.0	107.1	70.7	98.8	54.9	104.3
1946	89.8	88.2	85.2	80.5	98.0	88.7	80.8	80.6	87.0	67.7	81.8	68.4	91.6
1947	93.8	93.4	93.2	89.1	97.2	94.0	93.6	95.3	90.8	89.6	89.6	79.7	94.2
1948	97.1	98.3	97.3	95.1	98.5	97.3	101.5	97.2	95.7	91.5	99.2	89.2	95.8
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.5	107.7	106.7	108.1	102.9	112.5	102.7	107.9	108.9	112.5	104.2	106.7	105.2
1951	114.8	118.2	115.9	118.0	106.5	115.1	118.1	130.4	123.9	120.8	114.4	110.6	111.1
1952	123.2	127.9	120.2	113.0	113.5	104.5	120.6	149.4	133.0	124.5	111.2	123.2	117.8
1953	127.4	131.6	128.9	117.5	116.6	111.1	118.0	168.6	148.7	150.9	120.0	130.1	122.7
1954	124.7	125.1	126.0	122.1	120.9	100.2	110.9	138.1	161.7	151.7	118.2	129.8	124.3
1955	137.4	141.2	138.3	126.3	125.7	120.0	130.7	147.7	175.3	174.9	128.5	139.8	133.0
1956	149.6	156.0	151.2	136.1	133.2	124.4	153.6	159.2	192.4	197.5	135.5	165.7	142.3
1957	149.6	153.1	150.9	131.8	138.5	125.4	150.6	155.8	208.6	183.5	133.4	174.7	145.6
1958	151.5	153.9	148.0	129.2	145.1	121.2	135.4	137.0	222.0	179.5	130.0	178.4	148.7
1959	159.8	162.2	159.0	140.1	152.3	137.0	155.9	135.7	228.7	190.6	142.0	170.7	157.1
1960	162.5	164.2	161.2	149.5	153.9	138.9	151.5	136.9	245.5	190.4	156.2	163.0	160.5
1961	165.7	166.0	166.9	154.8	159.1	152.1	156.6	138.1	250.3	197.9	156.3	168.4	165.3
1962	176.5	180.1	181.2	160.4	167.3	167.7	174.5	165.3	262.9	236.5	158.8	170.9	172.4
1963	186.4	191.7	193.9	165.6	172.2	186.0	191.0	190.2	282.5	254.9	159.8	173.6	180.4
1964	197.9	205.0	211.9	182.0	185.6	203.3	215.2	210.5	312.7	279.1	174.2	190.4	189.9
1965	211.6	221.4	230.1	192.8	193.1	220.6	239.1	250.0	334.7	319.2	186.9	211.2	200.5
1966	226.5	239.7	247.2	210.2	204.9	233.1	253.1	273.8	377.5	368.8	195.7	226.0	211.6

Source: Dominion Bureau of Statistics. Compiled from "Indexes of Real Domestic Product by Industry of Origin, 1935-61" and "Revised Index of Industrial Production, 1935-57" and June, 1967 Supplement to the Monthly Index of Industrial Production prepared in National Accounts and Balance of Payments Division, Industrial Output Section.

Table 72.

Employees and Wages

	Total Employees	Employees On Salary	Total Salaries Paid \$'000	Average Salary \$	Employees on Wages	Total Wages Paid \$'000	Average Wage \$	Wage Index (a)	Consumer Price Index (b)	Total Salaries & Wages \$'000
1920	31,298	2,669	6,537	2,449	28,629	38,717	1,352	47.4	90.5	45,254
1925	28,031	2,971	6,816	2,294	25,060	31,745	1,267	44.4	74.6	38,561
1930	33,207	3,532	9,539	2,701	29,675	36,236	1,221	42.8	75.3	45,775
1935	27,836	3,290	7,828	2,379	24,546	28,065	1,143	40.1	59.5	35,893
1940	34,719	4,630	11,693	2,526	30,089	44,380	1,475	51.7	65.7	56,074
1941	37,154	4,970	12,925	2,601	32,184	50,753	1,577	55.3	69.6	63,678
1942	38,002	5,071	13,618	2,686	32,931	56,038	1,702	59.7	72.9	69,656
1943	37,020	5,384	14,664	2,724	31,636	56,536	1,787	62.7	74.2	71,199
1944	37,896	5,488	15,618	2,846	32,408	60,216	1,858	65.1	74.6	75,833
1945	39,996	5,981	16,766	2,803	34,015	63,696	1,873	65.7	75.0	80,463
1946	44,967	6,910	20,960	3,033	38,057	80,405	2,113	74.1	77.5	101,365
1947	49,946	7,706	26,287	3,411	42,240	103,191	2,443	85.7	84.8	129,478
1948	51,924	8,066	30,460	3,776	43,858	121,203	2,764	96.9	97.0	151,663
1949	52,050	8,243	32,784	3,977	43,807	124,920	2,852	100.0	100.0	157,704
1950	52,343	8,578	35,729	4,165	43,765	133,517	3,051	107.0	102.9	169,247
1951	57,291	9,413	44,127	4,688	47,878	169,043	3,531	123.8	113.7	213,170
1952	57,803	9,493	48,120	5,069	48,310	177,234	3,669	128.6	116.5	225,353
1953	58,194	9,394	49,932	5,315	48,800	185,810	3,808	133.5	115.5	235,742
1954	60,837	9,689	53,305	5,502	51,148	199,294	3,896	136.6	116.2	252,598
1955	62,205	9,933	55,981	5,636	52,272	209,317	4,004	140.4	116.4	265,298
1956	65,985	10,867	64,076	5,896	55,118	233,496	4,236	148.5	118.1	297,572
1957c	66,067	11,503	70,408	6,121	54,564	237,582	4,354	152.7	121.9	307,990
1958c	64,199	11,602	74,301	6,404	52,597	233,571	4,441	155.7	125.1	307,872
1959c	65,162	11,711	77,560	6,623	53,451	245,376	4,591	161.0	126.5	322,936
1960c	65,772	12,459	84,894	6,814	53,313	260,199	4,881	171.1	128.0	345,093
1961c	65,799	12,371	83,936	6,785	53,428	271,235	5,077	178.0	129.2	355,171
1962c	64,885	11,140	73,387	6,588	53,745	281,858	5,244	183.9	130.7	355,245
1963c	65,049	11,058	74,405	6,729	53,982	290,108	5,374	188.4	133.0	364,513
1964c	67,729	11,300	78,163	6,917	56,429	315,973	5,599	196.3	135.4	394,136
1965c	69,897	11,823	84,369	7,136	58,074	339,363	5,844	204.9	138.7	423,732

NOTE: Woods labour not included.

a: Canadian Pulp and Paper Association figures based on: 100 equals 1949 average wage. Consumer price index: 100 equals 1949.

b: Constructed to replace Cost of Living Index.

c: See footnote b, Table 62.

Source: Dominion Bureau of Statistics.

Table 73. Capital, Employees, and Wages

	Capital Employed \$'000 (b)	Number of Employees (a)	Capital Employed per employee	Total Salaries & Wages \$'000 (a)
1920	347,553	31,298	\$11,105	45,254
1925	460,398	28,031	16,425	38,561
1930	703,937	33,207	21,198	45,775
1935	545,573	27,836	19,600	35,893
1940	642,980	34,719	18,520	56,074
1941	678,938	37,154	18,274	63,678
1942	655,598	38,002	17,251	69,656
1943	667,458	37,020	18,029	71,199
1944	1,064,240	37,896	28,083	75,833
1945	1,169,743	39,996	29,246	80,463
1946	1,241,930	44,967	27,619	101,365
1947	1,358,133	49,946	27,192	129,478
1948	1,412,186	51,924	27,197	151,663
1949	1,449,289	52,050	27,844	157,704
1950	1,576,022	52,343	30,110	169,247
1951	1,836,460	57,291	32,055	213,170
1952	1,872,114	57,803	32,388	225,353
1953	2,110,262	58,194	36,263	235,742
1954	2,590,923	60,837	42,588	252,598
1955	2,684,000	62,205	34,147	265,298
1956	3,021,600	65,985	45,792	297,572
1957c	3,233,800	66,067	48,947	307,990
1958c	3,362,700	64,199	52,379	307,872
1959c	3,548,400	65,162	54,455	322,936
1960c	3,733,400	65,772	56,763	345,093
1961c	3,960,000	65,799	60,182	355,171
1962c	4,039,900	64,885	62,278	355,245
1963c	4,192,700	65,049	64,454	364,513
1964c	4,574,000	67,729	69,072	394,136
1965c	4,957,800e	69,897	70,930e	423,732

a: Woods labour is not included.

b: Figures on capital employed were compiled by the Dominion Bureau of Statistics from 1920 to 1943. Those for 1944 on are taken from "Taxation Statistics", published by the Department of National Revenue. The two series are not exactly comparable. The former excludes the value of inactive mills, timber limits, power developments, and investments, in wholly or partly owned subsidiaries and other enterprises. The latter includes such assets but does not cover pulp and paper mills operated by companies classed in other industries according to their principal or end product such as lumber, paper boxes, and roofing paper. For the years 1944-47 the figures cover only "profit" companies; since 1948 they cover both "profit" and "loss" companies. In 1964, the 75 pulp and paper companies covered had total assets of \$4,574,000,000 and current liabilities of \$709,100,000.

c: See footnote b, Table 62.

e: Canadian Pulp and Paper Association estimate.

Sources: Dominion Bureau of Statistics and Department of National Revenue.

Table 74. Payrolls and Weekly Earnings in Important Industries

Industry	Year	Average Number of Employees	Average Weekly Payrolls	Average Weekly Earnings
Pulp and paper mills	1965	69,894	8,095,218	115.76
	1966	73,678	9,371,975	127.15
Electrical products	1965	108,891	10,973,392	99.00
	1966	120,759	12,508,503	103.56
Motor vehicles	1965	79,558	9,673,276	121.39
	1966	84,872	10,338,939	121.07
Chemical products	1965	66,051	7,164,553	108.45
	1966	69,758	7,998,292	114.64
Smelting and refining	1965	31,657	3,662,413	115.66
	1966	32,370	4,032,157	123.28
Aircraft and parts	1965	27,448	3,059,826	111.47
	1966	33,550	4,028,026	119.96
Iron and steel mills	1965	45,187	5,396,726	119.41
	1966	46,460	5,718,827	123.03
Slaughtering and meat processing	1965	28,132	2,713,453	96.42
	1966	27,452	2,743,816	99.97
Rubber products	1965	25,275	2,457,797	97.19
	1966	26,773	2,754,375	102.87
Shipbuilding and repairing	1965	18,578	1,900,234	102.24
	1966	19,588	2,096,429	106.94

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper mills payrolls do not include woods workers.

Source: Dominion Bureau of Statistics, Employment Section.

Table 75. Principal Expenditures 1965

Transportation(e)	\$320,000,000
Chemical & mill supplies*	276,350,519
Fuel*	77,678,880
Electricity*	73,558,535
Fibre and fibre stock*	23,018,017
Purchased pulpwood**	45,400,000
Purchased wood-residue (for pulping)*	92,581,784
Food(e)	19,000,000
Taxes(e)	275,000,000
Paid for work done on materials supplied*	4,027,535
Wages, including woods workers**	798,732,000
	\$2,005,347,270

e: Canadian Pulp and Paper Association estimate.

* Dominion Bureau of Statistics figures.

** Expenditures for purchased pulpwood in 1965 totalled \$127,400,000 from which has been deducted \$82,000,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the \$798,732,000 shown as wages. See also Table 7.

* There is some duplication where the value of purchased pulpwood, mill supplies, fuel, chemicals, and so forth, include substantial transportation costs to the mill.

Table 77. Car Loadings

	1966 Carloads	%	1965 Carloads	%
Forest Products				
Pulp and paper	276,986	6.87	262,536	6.59
Pulpwood	158,022	3.91	136,816	3.44
	435,008	10.78	399,352	10.03
Other forest products	292,681	7.26	297,186	7.47
	727,689	18.04	696,538	17.50
Agricultural Products				
Grain	476,025	11.80	394,731	9.91
Grain products	89,475	2.22	89,195	2.24
Other agricultural products	61,093	1.52	59,951	1.51
	626,593	15.54	543,877	13.66
Animal Products	58,674	1.45	58,171	1.46
Mineral Products				
Coal	130,210	3.23	136,283	3.42
Coke	20,290	.50	20,062	.50
Ores and concentrates	616,095	15.28	620,170	15.58
Iron and steel: pig, bloom and ingot	12,342	.31	13,819	.35
Non-ferrous metals: pig, matte, ingot & manufactured products	39,565	.98	43,312	1.09
Agricultural implements, tractors, automobiles, trucks and parts	89,033	2.21	79,835	2.00
Machinery, boilers, castings and other iron and steel products	95,580	2.37	90,192	2.27
Crude petroleum, gasoline, fuel oil and other petroleum products	259,698	6.44	273,767	6.88
Sand, gravel, stone, cement, plaster, lime, brick, tile, sewer and drain pipes, and other mineral products	377,642	9.36	404,687	10.17
	1,640,455	40.68	1,682,127	42.26
Other Products				
Sugar, canned goods, beverages	74,906	1.86	72,832	1.83
Fertilizers	87,958	2.18	73,228	1.84
Miscellaneous	548,916	13.61	578,385	14.53
	711,780	17.65	724,445	18.20
Merchandise, L.C.L.	267,792	6.64	275,635	6.92
Grand Total	4,032,983	100.00	3,980,793	100.00

Note: Car loadings of pulp and paper and pulpwood in 1966 were equivalent to 754 cars and 460 cars respectively, every day in the year. A proportion of the pulpwood car loading included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to over nine trains of 100 cars daily. Annual loadings of pulpwood for the mills and of finished products would thus fill a train 2,800 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals and other supplies required for the operations at the mills and in the woods.

Source: Compiled by C.P.P.A. from monthly D.B.S. Memoranda.

Table 76. Power Utilization

	in 000's of kwh including off-peak power	
	1964p	1963
Pulp and Paper industry	20,608,288	19,259,713
Other manufacturing industries	43,086,425e	41,636,281
Mining companies	5,794,967e	5,605,018
Commercial customers	18,346,521e	17,725,301
Residential and farm	27,277,574	25,321,606
Street lighting	941,505	870,696

e: Canadian Pulp and Paper Association estimate.

p: Preliminary.

Note: The power consumption of the pulp and paper mills accounts for about 32 per cent of all the power generated for the manufacturing industries. These mills also produce over 20 per cent of the power generated by industry (including mining) and account for about 18 per cent of the total consumption of electricity in Canada.

Source: Dominion Bureau of Statistics.

Table 78. Operations and Mills 1966

	Number of Producing Companies Mills	
Groundwood, bleached	4	5
Groundwood, unbleached	39	63
Mechanical screenings	6	8
Dissolving and Special Alpha (Sulphite and Sulphate)	4	5
Bleached sulphite (paper pulp)	11	15
Unbleached sulphite (strong)	11	13
Unbleached sulphite (news grade)	19	23
Sulphate pulp, bleached & semi-bleached	24	29
Sulphate pulp, unbleached	18	20
Chemical screenings	14	18
Semi-chemical pulp	4	5
Defibrated and exploded pulps	5	10
All other wood pulp	1	1
Newsprint	22	44
Groundwood printing and specialty papers	13	14
Book paper	7	13
Fine papers	7	13
Miscellaneous fine papers	7	15
Tissue paper other than sanitary	7	8
Sanitary paper	8	12
Special industrial papers	1	4
Wrapping papers	16	20
Building papers	7	9
Paperboard	24	48
Building boards	7	11
Wet machine boards	3	3
Paper products	17	23

Source: Canadian Pulp and Paper Association and Dominion Bureau of Statistics.

Table 79. Principal Statistics of the Paper Converting Industries

	1965	1964
Number of establishments	469	474
Number of employees	35,109	33,828
Salaries and wages paid	\$168,489,000	\$156,149,000
Cost of fuel and electricity	7,100,000	6,536,000
Cost of materials used	461,086,000	427,693,000
Selling value of factory shipments*	777,571,000	723,231,000
Value added by manufacture	322,860,000	302,071,000

Note: These figures cover only converted paper products produced in the Folding Boxes and Set-up Boxes, Corrugated Boxes, Paper Bag, Miscellaneous Paper, and Asphalt Roofing industries. In addition, some 20 paper-mills have converting plants whose operations are included in the Pulp and Paper industry, and there are also several plants in the Printing Trades and other industries which make paper boxes and other converted paper commodities as secondary products.

* See footnote b, Table 62.

Source: Dominion Bureau of Statistics.

Table 80. Summary of Shipments of Goods of Own Manufacture, 1956-1965

	Wood-Pulp	Newsprint	Other Basic Paper and Paperboard	Building Boards (a)
	\$'000	\$'000	\$'000	\$'000
1956	366,819	734,426	288,409	25,582
1957	334,962	724,613	286,061	25,275
1958	325,587	694,067	300,520	27,081
1959	360,294	732,849	323,363	30,849
1960	368,598	793,470	334,401	28,846
1961	392,655	804,641	352,964	29,237
1962	436,920	819,079	371,419	33,218
1963	479,040	809,247	401,667	34,598
1964	548,505	887,612	431,398	37,405
1965	592,238	927,832	462,078	39,119

	Converted Paper Products (b)	Other Products (c)	Steam Sold	By-products (d)	Amount Received for Work Done (e)	Total Value of Shipments & Work Done (f)
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1956	32,217	435	978	2,624	1,952	1,453,442
1957	35,074	334	1,026	2,557	2,032	1,411,934
1958	41,162	490	1,411	2,609	1,752	1,394,679
1959	44,310	17	1,416	3,176	1,768	1,498,042
1960	47,492	18	1,010	2,923	1,969	1,578,727
1961	48,684	25	1,318	6,409	2,049	1,637,982
1962	52,626	4,369	1,541	8,270	1,840	1,729,282
1963	54,708	5,766	1,652	10,175	1,548	1,789,401
1964	54,351	15,409	1,853	11,168	2,173	1,989,874
1965	56,248	18,723	1,953	12,417	2,188	2,112,796

a: Rigid insulating (homogeneous or laminated) softboard for all purposes and all types of hardboard, as reported by establishments classified as pulp and paper mills.

b: Such as packaged toilet paper, paper towels and napkins, paper bags, gummed tape, etc.

c: Not made from wood pulp, paper or paperboard.

d: Such as newsprint and kraft side-runs, vanillin, acid liquors, etc.

e: On materials and products owned by others.

f: Unadjusted value of shipments and work done, representing the sum of the items shown. Since 1957 questions covering value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items, as required, have been added to Census of Industry questionnaires; the answers have resulted in the adjusted values shown in Table 62 (q.v.) and elsewhere. The unadjusted values are more comparable to the values shown for production prior to 1956, which obviously comprised similar undeducted taxes, duties and charges.

Source: Dominion Bureau of Statistics.

"G"—WORLD FIGURES

Table 81. World Production of Wood Pulp

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
NORTH AMERICA	12,067	23,322	36,747	47,722
Canada	5,494	8,473	a11,431	a14,426
United States	6,573	14,849	a25,316	a33,296
WESTERN EUROPE	10,557	9,876	17,242	22,883
Austria	446	421	777	818
Belgium	40	86	170	243
Denmark	6	1	6	53
Finland	2,536	2,109	4,078	6,146
France	387	551	1,254	1,600
Germany (West)	1,276	1,008	1,584	1,534
Ireland	—	—	24	34
Italy	193	287	497	729
Netherlands	133	100	137	174
Norway	1,208	1,183	1,814	2,167
Portugal	6	7	94	207
Spain	11	28	166	366
Sweden	3,977	3,801	6,173	8,150
Switzerland	116	157	262	304
United Kingdom	222	137	206	358
LATIN AMERICA	30	264	845	1,614
Argentina	—	17e	48	115
Brazil	—	153e	498	974
Chile	9	17	112	225
Colombia	—	—	—	34
Mexico	21	77	187	266
AFRICA, MIDDLE EAST, OTHER ASIA (EXCEPT CHINA), OCEANIA	996	1,004	4,863	7,386
Rep. of South Africa	—	36	262	618
Turkey	3	13	46	83
India	—	—	20	73
Japan	b993	825	3,884	a5,688
Pakistan	—	—	26	45
Taiwan	—	—	16	—
Australia	—	103	315	419
New Zealand	—	27	294	460
TOTAL FOR ABOVE COUNTRIES	23,650	34,466	59,697	79,605
TOTAL, OTHER COUNTRIES(e)	3,223	3,696	6,930	8,556
Bulgaria	8	6	n.a.	73
China	n.a.	n.a.	n.a.	450
Czechoslovakia	379	386	n.a.	717
Germany (East)	1,400e	607	n.a.	910
Hungary	7	7	n.a.	73
Poland	191	275	n.a.	609
Romania	62	110	n.a.	260
U.S.S.R. (d)	1,139	2,255	n.a.	5,015
Yugoslavia	37	50	230	449
TOTAL, WORLD	26,873	38,162	66,627	88,161

—: Nil.

a: Screenings included.

b: Japan includes Taiwan in 1937.

d: Includes Esthonia, Lithuania and Latvia for all years.

e: Estimated.

n.a.: Not available.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

Table 82. World Consumption of Wood Pulp

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
NORTH AMERICA	13,286	23,801	35,473	45,712
Canada	4,641	6,663	8,918	10,681
United States	8,645	17,138	26,555	35,031
WESTERN EUROPE	9,316	8,920	17,481	23,187
Austria	246	301	585	707
Belgium	175	256	333	436
Denmark	61	82	123	145
Finland	916	945	2,329	3,822
France	1,113	1,082	1,981	2,380
Germany (West)	1,889	1,250	2,334	2,658
Greece	27	32	62	93
Ireland	10e	24	53	67
Italy	471	547	1,186	1,743
Netherlands	254	263	543	692
Norway	480	603	981	1,247
Portugal	18	20	102	106
Spain	46	91	280	582
Sweden	1,175	1,497	2,954	4,470
Switzerland	131	187	370	442
United Kingdom	2,304	1,740	3,265	3,597
LATIN AMERICA (EXCEPT CUBA)	247	582	1,178	2,049
Argentina	47	98	137	279
Brazil	110	298	605	971
Chile	26	42	127	211
Colombia	—	3	31	85
Mexico	61	133	241	357
Peru	—	—	n.a.	10
Uruguay	—	—	n.a.	27
Venezuela	3	8	37	109
AFRICA, MIDDLE EAST, OTHER ASIA (EXCEPT CHINA), OCEANIA	1,593	1,140	5,167	8,185
Morocco	—	—	n.a.	10
Rep. of South Africa	1	38	190	398
United Arab Rep.—Egypt	—	6	32	69
Israel	—	—	n.a.	17
Turkey	10	17	55	84
India	12	9	108	167
Japan	b1,513	894	4,014	6,234
Korea	—	—	n.a.	51
Pakistan	—	—	29	65
Philippines	—	—	n.a.	13
South Viet Nam	—	—	n.a.	11
Taiwan	—	—	28	25
Australia	51	139	481	622
New Zealand	6	37	230	419
All others	—	—	n.a.	29
TOTAL FOR ABOVE COUNTRIES	24,442	34,443	59,299	79,162
TOTAL, OTHER COUNTRIES (e)	2,451	3,910	6,763	8,880
Bulgaria	20	45	n.a.	89
China	18	25	n.a.	540
Cuba	11	22	n.a.	57
Czechoslovakia	239	342	n.a.	746
Germany (East)	807	596	n.a.	1,050
Hungary	53	29	n.a.	136
Poland	214	350	n.a.	751
Romania	54	98	n.a.	245
U.S.S.R. (d)	983	2,348	n.a.	4,827
Yugoslavia	52	55	216	439
TOTAL, WORLD	26,893	38,353	66,062	88,042

—: Nil.

a: Screenings included.

b: Japan includes Taiwan in 1937.

d: Includes Esthonia, Lithuania and Latvia for all years.

e: Estimated.

n.a.: Not available.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

Table 83. World Production of Wood Pulp, by Grades

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
AMERICA, WESTERN EUROPE, ASIA (EXCEPT CHINA), AFRICA, OCEANIA:				
Dissolving & Special Alpha (Sulphite & Sulphate) . . .	n.a.	1,756	3,447	4,365
Sulphite — Paper Grades . . .	n.a.	7,737	10,340	11,794
Bleached		3,231	5,224	6,530
Unbleached		4,506	5,116	5,264
Sulphate — Paper Grades . . .	n.a.	10,642	23,566	35,415
Bleached & Semi-Bleached . .		2,583	9,567	16,120
Unbleached		8,059	13,999	19,295
Soda	n.a.	350e	609	381
Total, Chemical Wood Pulp . .	13,906	20,841	37,962	51,955
Semi-chemical Wood Pulp . . .	n.a.	1,331e	2,736	4,342
Groundwood	n.a.	11,108	16,248	19,988
Defibrated & Exploded	n.a.	1,119	2,580	2,986
Total, Mechanical Wood Pulp .	n.a.	12,227	18,828	22,974
Screenings	n.a.	n.a.	171	334
Total, Other Grades	9,744	13,985*	21,735	27,650
Total, All Grades	23,650	34,466	59,697	79,605
EASTERN EUROPE, U.S.S.R. AND CHINA:				
Total, Chemical Wood Pulp . .	1,896	2,245	4,684	5,892
Total, Other Grades	1,327	1,451	2,246	2,664
Total, All Grades	3,223	3,696	6,930	8,556
WORLD:				
Total, Chemical Wood Pulp . .	15,802	23,086	42,646	57,847
Total, Other Grades	11,071	15,076	23,981	30,314
Total, All Grades	26,873	38,162	66,627	88,161

n.a.: Not available.

e: Estimated.

*: The sum of the figures shown for 1950 for the various grades of wood pulp does not equal the total figures of 20,841,000 tons for chemical pulp and 13,985,000 tons for other grades because some countries did not provide a breakdown of grades at that time.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

Table 84. World Exports of Wood Pulp, by Countries

	000's of short tons, air-dry weight			
	1937	1950	1960	1965
NORTH AMERICA				
Canada (a)	874	1,846	2,576	3,839
United States	323	96	1,142	1,402
WESTERN EUROPE				
Austria	205	115	224	158
Belgium	26	4	7	39
Denmark	—	—	—	35
Finland	1,620	1,142	1,749	2,324
France	4	2	63	117
Germany (West)	110	60	100	68
Ireland	—	—	—	3
Italy	—	—	4	10
Netherlands	2	2	—	3
Norway	723	602	881	967
Portugal	—	n.a.	48	120
Spain	—	n.a.	—	7
Sweden	2,814	2,306	3,230	3,684
Switzerland	8	15	22	7
United Kingdom	8	—	—	—
LATIN AMERICA				
Brazil	—	—	—	20
Chile	—	—	15	20
AFRICA, ASIA (EXCEPT CHINA), OCEANIA:				
Rep. of South Africa	—	—	82	249
Japan	—	—	22	8
Australia	—	—	1	—
New Zealand	—	1	78	60
TOTAL FOR ABOVE COUNTRIES:	6,717	6,191	10,244	13,140
TOTAL, OTHER COUNTRIES:	396	114	361	477
Bulgaria	—	—	—	22
Czechoslovakia	150	39	49	50
Germany (East)	73	n.a.	n.a.	n.a.
Hungary	—	—	—	14
Romania	8	n.a.	n.a.	46
Poland	3	n.a.	n.a.	—
U.S.S.R. (c)	161	75	269	292
Yugoslavia	1	—	43	53
TOTAL, WORLD	7,113	6,305	10,605	13,617

n.a.: Not available.

.. Negligible amount.

—: Nil.

*: 1964 figures

a: Includes Newfoundland for all years.

c: Includes Estonia, Lithuania and Latvia for all years.

e: Estimated.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association for all years, except 1965 estimates for other Countries based on F.A.O. data.

Table 85. World Forestry Data

	Resources, 1963		Roundwood Production (c)	
	Area of Productive Forest (a)	Growing Stock (b)	Average 1960-62	
			Industrial	Fuelwood
	Millions of acres	Millions of cubic feet	Millions of cubic feet	
North America	1,028	1,165	12,289	1,624
Canada	554	671	3,143	247
United States	474	494	9,146	1,377
Central America	126	7	247	1,271
South America	741	18	918	5,474
Africa	692	4	777	6,145
Europe	299	268	7,875	3,531
U.S.S.R.	1,730	2,331	9,076	3,567
Asia	815	212	4,309	9,111
Pacific Area	119	14	565	318
World	5,550	4,019	36,056	31,041

a: Excludes unstocked and unclassified forest lands and protection forests.

b: Covers 55% forest area. Covers most of the coniferous but only a small part of the non-coniferous forest area. Includes bark.

c: Does not include bark.

Source: FAO World Forest Inventory 1963, as reported by the Economics Research Institute, Department of Forestry.

Table 86. World Production of Newsprint

	1937 Tons	1950 Tons	1960 Tons	1965 Tons
NORTH AMERICA	4,943,663	6,293,288	8,777,033	9,899,407
Canada	3,997,942	5,278,585	6,738,611	7,719,710
United States	945,721	1,014,703	2,038,422	2,179,697
WESTERN EUROPE.	3,337,120	2,532,522	4,132,736	5,028,918
Austria	63,000	78,500	151,637	143,453
Belgium & Luxembourg	59,375	68,000	104,384	97,900
Finland	448,829	459,826	744,301	1,189,000
France	447,100	327,200	485,000	494,000
Greece	—	—	1,000	—
Germany (West)	a521,000	187,000	253,998	238,087
Ireland	—	—	5,000	11,900
Italy	66,120	94,800	324,669	495,000
Netherlands	106,389	95,000	160,373	182,859
Norway	225,832	175,235	247,000	342,897
Portugal	2,534	2,777	18,000	10,800
Spain	21,000	25,000	66,000	79,919
Sweden	309,965	357,904	641,274	753,103
Switzerland	33,000	52,000	99,000	130,000
United Kingdom	1,032,976	609,280	831,100	860,000
LATIN AMERICA (EXCEPT CUBA)	9,017	51,500	139,589	265,115
Argentina	—	1,000	10,600	10,000
Brazil	8,000	34,100	59,184	128,000
Chile	1,017	12,000	56,805	108,115
Mexico	—	—	13,000	19,000
Peru	—	4,400	—	—
AFRICA, NEAR EAST, OTHER ASIA (EXCEPT CHINA), OCEANIA	413,000	191,081	1,113,345	1,874,825
Rep. of South Africa	—	—	—	60,000
Rhodesia	—	—	—	5,500
Israel	—	—	5,000	7,400
Turkey	—	5,000	11,210	23,000
Cambodia	—	—	—	1,000
India	—	—	25,310	33,618
Indonesia	—	—	—	1,000
Japan (b)	413,000	145,281	810,191	1,309,307
Korea (b)	—	2,000	29,665	50,000
Pakistan (d)	—	—	23,938	40,953
Taiwan (b)	—	3,800	13,294	18,928
Australia	—	35,000	100,137	105,119
New Zealand	—	—	94,600	219,000
TOTAL FOR ABOVE COUNTRIES.	8,702,800	9,068,421	14,162,703	17,068,265
TOTAL, OTHER COUNTRIES (estimates)	311,801	506,000	1,014,424	1,223,159
Bulgaria	1,000	—	—	—
China	—	39,000	220,000	n.a.
Cuba	—	—	16,000	—
Czechoslovakia	54,000	34,000	37,159	85,742
Germany (East)	a	68,000	98,400	125,000
Hungary	4,250	10,000	—	—
Poland	38,500	65,000	85,000	86,780
Romania	5,000	33,000	48,500	57,000
U.S.S.R. (c)	209,051	257,000	478,000	818,000
Yugoslavia	—	—	31,365	50,637
TOTAL, WORLD	9,014,601	9,574,421	15,177,127	18,291,424

NOTE: North American production was inflated in 1937 by tonnage bought and stored, mostly by U.S. publishers, in advance of a price increase effective January 1st 1938 but announced early in 1937.

...: Negligible amounts.

n.a.: Not available.

—: Nil.

a: Production in East Germany included with West Germany in 1937.

b: Production in Korea and Taiwan included with Japan in 1937.

c: Includes Estonia, Lithuania and Latvia for all years.

d: Production in Pakistan included with India in 1937.

Source: Annual World Surveys compiled by the Newsprint Association of Canada.

Table 87. World Consumption of Newsprint

	1937 Tons	1950 Tons	1960 Tons	1965 Tons
NORTH AMERICA	4,502,619	6,284,938	7,866,580	9,056,786
Canada	220,200	354,602	487,102	590,479
United States (a)	4,282,419	5,930,336	7,379,478	8,466,307
WESTERN EUROPE.	2,966,442	1,889,901	4,012,809	4,798,874
Austria	26,000	30,300	51,540	67,275
Belgium & Luxembourg	95,326	85,723	131,213	146,600
Denmark	56,084	60,022	97,972	129,259
Finland	30,084	39,951	87,093	99,000
France	455,200	312,400	548,000	599,000
Germany (West)	c404,716	229,700	588,007	804,873
Greece	8,090	16,033	23,910	50,014
Ireland	28,768	28,973	38,967	49,739
Italy	64,672	96,800	331,089	460,000
Netherlands	112,666	79,420	189,548	255,841
Norway	26,946	30,262	53,028	65,460
Portugal	13,009	12,413	25,813	35,314
Spain	26,500	27,665	74,200	120,242
Sweden	88,862	138,202	211,119	266,231
Switzerland	33,050	50,848	95,000	131,496
United Kingdom	1,496,035	650,019	1,464,012	1,515,364
Other countries (d)	434	1,170	2,298	3,166
LATIN AMERICA (EXCEPT CUBA)	358,773	381,718	692,263	793,923
Argentina	186,362	109,810	188,879	211,869
Brazil	73,633	96,311	204,184	161,026
Chile	17,326	33,000	29,511	39,544
Colombia	7,700	21,019	36,463	49,921
Mexico	33,251	43,598	109,685	129,000
Peru	7,223	13,500	19,933	44,564
Venezuela	3,638	11,601	25,923	47,000
Other countries (b)	29,640	52,879	77,085	110,999
AFRICA	75,395	74,063	151,966	190,249
Rep. of South Africa	41,550	42,745	84,361	115,312
United Arab Rep.	—	—	—	—
Egypt	13,764	14,851	25,000	30,000
Other countries (e)	20,081	16,467	42,605	44,931
MIDDLE EAST	13,833	19,049	44,188	82,289
Turkey	9,879	11,725	23,030	47,987
Other countries (f)	3,954	7,324	21,158	34,302
OTHER ASIA (EXCEPT CHINA).	530,021	286,909	1,136,656	1,749,348
Hong Kong	g	8,265	22,342	37,745
India	h41,157	68,160	105,506	130,336
Japan	i445,123	138,636	803,639	1,315,326
Korea	g	8,000	47,020	55,000
Philippines	16,786	21,000	38,505	50,160
Thailand	1,000	2,500	19,740	25,000
Other countries (j)	25,955	40,348	99,904	135,781
OCEANIA	200,630	216,706	447,386	529,261
Australia	168,666	185,617	371,647	428,352
New Zealand	31,914	31,033	75,642	100,827
Other countries (Fiji)	50	56	97	102
TOTAL FOR ABOVE COUNTRIES.	8,647,713	9,153,284	14,351,848	17,200,724
TOTAL, OTHER COUNTRIES (Estimates)	467,981	561,019	934,582	1,174,733
China	g101,093	66,000	190,000	n.a.
Czechoslovakia	42,979	22,000	30,933	47,405
Germany (East)	c	63,700	93,600	122,000
Hungary	24,850	20,152	23,714	41,431
Poland	38,500	65,000	59,600	68,477
Romania	7,000	33,000	45,000	53,800
U.S.S.R. (k)	210,481	238,540	391,000	727,400
Yugoslavia	21,316	13,364	41,365	67,020
Other countries (l)	21,762	39,263	58,870	47,200
TOTAL, WORLD	9,115,694	9,714,303	15,286,430	18,375,457

n.a.: Not available.

a: Includes Alaska and Hawaii for all years.

b: Bahamas, Barbados, Bermuda, Bolivia, British Guiana, British Honduras, Costa Rica, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Netherlands Antilles, Nicaragua, Panama, Paraguay, Puerto Rico, Salvador, Surinam, Trinidad & Tobago, Uruguay and other West Indies.

c: Consumption in East Germany included with West Germany in 1937.

d: Iceland and Malta.

e: Algeria, Congo, Ethiopia, Ghana, Kenya, Malawi, Mauritius, Morocco, Nigeria, Portuguese Africa, Rhodesia and Nyasaland, Sierra Leone, Sudan, Tanganyika, Tanzania, Tunisia, Uganda, Zambia, Other Africa.

f: Cyprus, Iran, Iraq, Israel, Jordan, Lebanon, United Arab Republic — Syria.

g: Consumption in Hong Kong included with China in 1937.

h: Consumption in Pakistan included with India in 1937.

i: Consumption in Korea and Taiwan included with Japan in 1937.

j: Burma, Cambodia, Ceylon, Indonesia, Laos, Malaya, Pakistan, Singapore, Taiwan and Viet-Nam.

k: Includes Estonia, Lithuania and Latvia for all years.

l: Bulgaria and Cuba.

Source: Annual World Surveys compiled by the Newsprint Association of Canada.

Table 88. World Exports of Newsprint

	1937 Tons	1950 Tons	1960 Tons	1965 Tons
NORTH AMERICA:				
Canada	3,811,664	4,956,031	6,265,299	7,156,735
United States	17,045	43,967	134,509	84,201
WESTERN EUROPE:				
Austria	37,000	48,200	100,139	76,178
Belgium & Luxembourg	3,651	5,818	45,510	35,700
Finland	418,745	416,207	660,401	1,089,847
France	43,000	18,800	28,000	2,000
Germany (West)	a116,284	—	61	6,586
Italy	3,454	6,800	9,266	55,000
Netherlands	10,472	24,555	46,802	41,112
Norway	198,886	147,546	192,000	279,256
Portugal	—	—	1,126	762
Sweden	221,103	225,998	435,854	489,943
Switzerland	50	1,566	4,200	4
United Kingdom	63,497	114,271	56,321	2,546
LATIN AMERICA:				
Argentina	—	—	—	n.a.
Chile	—	—	31,907	68,571
AFRICA:				
Rhodesia	—	—	—	1,485
ASIA:				
Japan	6,944	6,750	6,552	6,249
Pakistan	—	—	2,753	8,440
Taiwan	—	—	2,053	2,277
OCEANIA:				
Australia	—	—	36	917
New Zealand	—	—	55,343	122,654
TOTAL FOR ABOVE COUNTRIES	4,951,795	6,016,509	8,078,132	9,530,463
TOTAL, OTHER COUNTRIES (Estimates)	16,499	37,800	185,359	226,317
China	—	—	30,000	n.a.
Czechoslovakia	11,929	12,000	9,359	38,337
Germany (East)	a	4,300	13,800	10,000
Poland	1,000	3,000	25,400	18,303
Romania	—	—	3,000	3,700
U.S.S.R. (c)	3,750	18,500	103,600	152,900
Yugoslavia	—	—	—	3,077
TOTAL, WORLD	4,968,294	6,054,309	8,263,491	9,756,780

n.a.: Not available.

—: Nil.

a: Exports from East Germany included with West Germany in 1937.

c: Includes Estonia, Lithuania and Latvia for all years.

Source: Annual World Survey compiled by the Newsprint Association of Canada.

HD9834
C22C33
1967

22012
1972

Canadian Pulp and Paper Association
Reference tables



*Copies of this book, within a limited number, are available from
Canadian Pulp and Paper Association, Sun Life Building, Montreal*